



Final

**Record of Decision for
Installation Restoration Site 27**

**Former Naval Weapons Station
Seal Beach Detachment Concord
Concord, California**

March 27, 2013

Prepared by:

**Department of the Navy
Base Realignment and Closure
Program Management Office West
San Diego, California**

Prepared under:

**Naval Facilities Engineering Command
Contract Number N62473-07-D-3213
Delivery Order 047**

This page intentionally left blank

TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS	iii
1.0 DECLARATION	1
1.1 SELECTED REMEDY AND STATUTORY DETERMINATIONS	1
1.2 AUTHORIZING SIGNATURES	2
2.0 DECISION SUMMARY	3
2.1 SITE DESCRIPTION AND HISTORY	3
2.2 SITE CHARACTERISTICS	5
2.3 PREVIOUS INVESTIGATIONS AND REMOVAL ACTIONS	7
2.4 CURRENT AND POTENTIAL FUTURE LAND AND RESOURCE USES	10
2.5 SUMMARY OF SITE RISKS AND STEPS TAKEN TO ADDRESS RISKS	10
2.5.1 Risk Evaluations Before the TCRA	11
2.5.2 TCRA Summary	16
2.5.3 Risk Evaluations After the TCRA	17
2.5.4 Summary of Human Health and Ecological Risk Evaluations	22
2.6 DOCUMENTATION OF SIGNIFICANT CHANGES	24
2.7 COMMUNITY PARTICIPATION	24
2.8 RESPONSIVENESS SUMMARY	25
3.0 BASIS FOR THE NO FURTHER ACTION DECISION	25

Attachments

- A References (Provided on CD Only)
- B Administrative Record Index
- C Responsiveness Summary

FIGURES

1	Location of Former NAVWPNSTA Concord Inland Area and Site 27	3
2	Features and Buildings Located at Site 27	6
3	Extent of the TCRA Excavation at Site 27	18

TABLES

1	Previous Investigations and Cleanup Actions	7
2	Focused Feasibility Study SLHHRA Results	13
3	Hazard Quotients Greater Than 1.0 Based On High TRVs	16
4	Risk-Based Ecological Removal Goals	16
5	Post-TCRA Human Health Risk Screening Results	20
6	Summary of Human Health and Ecological Risk Evaluations	23

ACRONYMS AND ABBREVIATIONS

§	Section
95 UCL	Upper 95 percent confidence limit on the arithmetic mean
BERA	Baseline ecological risk assessment
bgs	Below ground surface
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Chemical of concern
COEC	Chemical of ecological concern
COPC	Chemical of potential concern
COPEC	Chemical of potential ecological concern
CSM	Conceptual site model
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
EPC	Exposure point concentration
ERA	Ecological risk assessment
FFA	Federal Facility Agreement
FFS	Focused Feasibility Study
HI	Hazard index
HQ	Hazard quotient
IAS	Initial Assessment Study
IR	Installation Restoration
mg/kg	Milligram per kilogram
MMRP	Military Munitions Response Program
NAVWPNSTA	Naval Weapons Station Seal Beach Detachment
Navy	Department of the Navy
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
PCB	Polychlorinated biphenyl
PRG	Preliminary remediation goal
RAB	Restoration Advisory Board
RACSR	Removal Action Completion Summary Report
RI	Remedial Investigation

ACRONYMS AND ABBREVIATIONS (Continued)

RME	Reasonable maximum exposure
ROD	Record of Decision
SARA	Superfund Amendments and Reauthorization Act
SI	Site Inspection
Site 27	Installation Restoration Site 27
SLERA	Screening-level ecological risk assessment
SLHHRA	Screening-level human health risk assessment
SVOC	Semivolatile organic compound
TCRA	Time-critical removal action
TPH-d	Total petroleum hydrocarbons as diesel
TRV	Toxicity reference value
UST	Underground storage tank
VOC	Volatile organic compound
Water Board	San Francisco Bay Regional Water Quality Control Board



FINAL RECORD OF DECISION

Installation Restoration Site 27

Former Naval Weapons Station Seal Beach Detachment Concord,
Concord, California

March 27, 2013

1.0 DECLARATION

This Record of Decision (ROD) presents the basis for the no further action determination by the Department of the Navy (Navy) and the U.S. Environmental Protection Agency (EPA) for Installation Restoration (IR) Site 27 (Site 27) at the former Naval Weapons Station Seal Beach Detachment (NAVWPNSTA) Concord located in Concord, California (Figure 1). Former NAVWPNSTA Concord was included on the National Priorities List (NPL) in 1994 (EPA ID: CA7170024528). This no further action determination was selected in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (Title 42 *United States Code* Section [§] 9601, et seq.) and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (Title 40 *Code of Federal Regulations* Part 300).

The California Environmental Protection Agency's Department of Toxic Substances Control (DTSC) and San Francisco Bay Regional Water Quality Control Board (Water Board) concur with the selected remedy. The decision documented in this ROD is based on and relies on the references listed in Attachment A, and the Administrative Record file (Attachment B). Information that is not specifically summarized in this ROD or its references but that is contained in the Administrative Record¹ has been considered and is relevant to the selection of the remedy at Site 27.

The Navy's Base Realignment and Closure (BRAC) Program Management Office provides funding for site remediation at former NAVWPNSTA Concord. The Federal Facility Agreement (FFA) for former NAVWPNSTA Concord documents how the Navy intends to meet and implement the requirements of CERCLA in partnership with EPA, DTSC, and the Water Board.

The Navy has determined that no action is necessary to protect public health or welfare or the environment. This ROD documents that no further action is necessary for Site 27.

1.1 SELECTED REMEDY AND STATUTORY DETERMINATIONS

No further action is required under CERCLA to protect human health or the environment at Site 27 because previous response actions eliminated the need to conduct further remedial action. Current conditions at Site 27 do not pose an unacceptable risk to human health or the environment for current or future uses of Site 27, even for unrestricted reuse. A five-year review is not required for Site 27 because concentrations of hazardous substances, pollutants, or contaminants on site are below levels that allow for unlimited use and unrestricted exposure.

¹ **Bold blue text** identifies detailed site information available in the Administrative Record and listed in the References Table (Attachment A). This ROD is also available on CD, whereby **bold blue text** serves as a hyperlink to reference information. The hyperlink will open a text box at the top of the screen. A blue box surrounds applicable information in the hyperlink. To the extent there may be inconsistencies between the reference information attached to the ROD via hyperlinks and the information in the ROD itself, the language in the ROD controls.

1.2

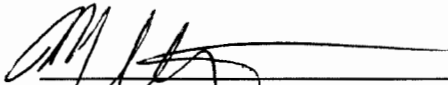
AUTHORIZING SIGNATURES

This signature sheet documents the Navy's and EPA's co-selection of the no further action decision in this ROD. This signature sheet also documents the State of California's (DTSC and Water Board) concurrence with this ROD.



Mr. Scott D. Anderson
Base Realignment and Closure (BRAC) Environmental Coordinator
BRAC Program Management Office West
Department of the Navy

12 Sept. 2012
Date



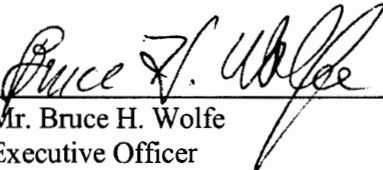
Mr. Michael Montgomery
Federal Facilities and Site Cleanup Branch Assistant Director
U.S. Environmental Protection Agency
Region 9

2 Nov. 2012
Date



Mr. Donn Diebert, P.E.
Supervising Hazardous Substances Engineer Sacramento Office
Brownfields and Environmental Restoration Program
California Environmental Protection Agency
Department of Toxic Substances Control

15 Feb 2013
Date



Mr. Bruce H. Wolfe
Executive Officer
California Environmental Protection Agency
San Francisco Bay Regional Water Quality Control Board

March 27, 2013
Date

2.0 DECISION SUMMARY

This decision summary provides an overview of Site 27, its history, environmental condition, potential risk from hazardous substances, and basis for the no further action decision.

2.1 SITE DESCRIPTION AND HISTORY

Former NAVWPNSTA Concord is located in north-central Contra Costa County, in Concord, California (Figure 1). Throughout its history and into the 1990s, former NAVWPNSTA Concord was a major port for naval munitions trans-shipment and storage. Historically, the former NAVWPNSTA Concord consisted of two principal areas separated by Los Medanos Hills: the Inland Area, which is approximately 5,200 acres; and the Tidal Area, which is approximately 7,700 acres. The Inland Area was used primarily for ammunition storage, but also included facilities for maintenance, administration, and housing. The Navy acquired the majority of the Inland Area in 1944, when the Navy's operations in the Tidal Area necessitated more storage and administration capacity.

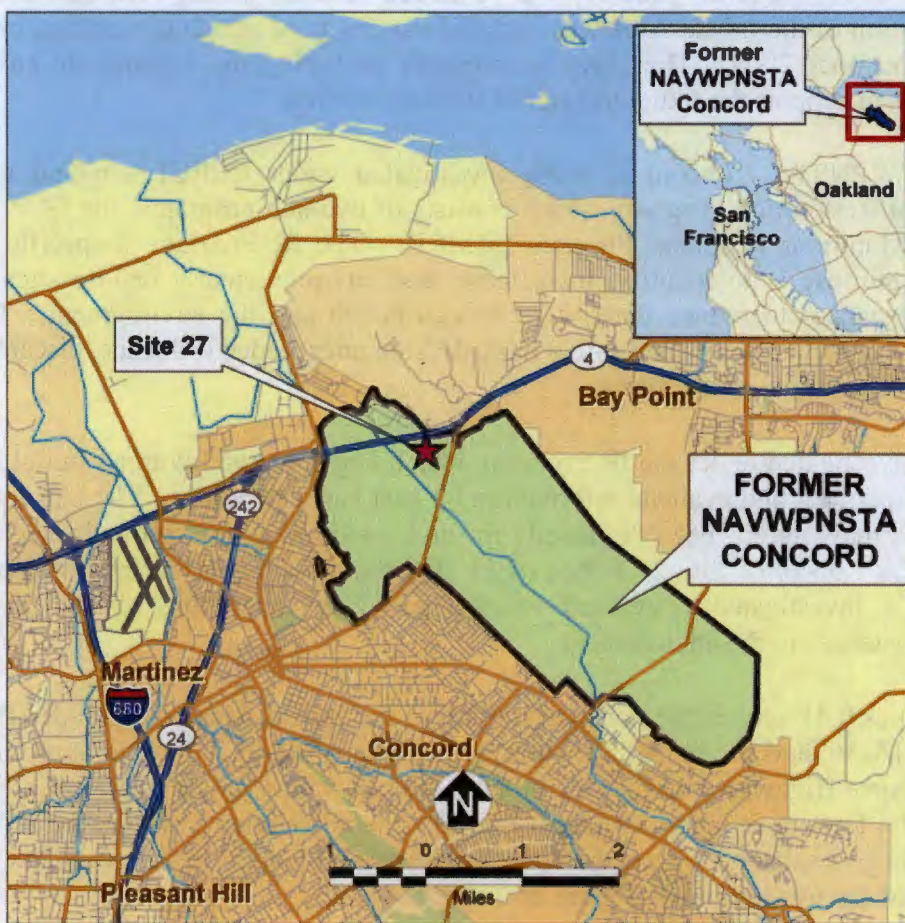


Figure 1
Location of Former NAVWPNSTA Concord Inland Area and Site 27

NAVWPNSTA Concord (EPA ID: CA7170024528) was included on the NPL in 1994 pursuant to CERCLA as amended by SARA because past naval operations left hazardous substances on site. As a result of workload and budget reductions, the former NAVWPNSTA Concord was placed into a reduced operational status in October 1999. The Department of the Army's Surface Deployment and Distribution Command later assumed port operations in the Tidal Area under a use permit from the Navy.

The Navy, EPA, and the State of California are signatories to the FFA dated June 2001. As established by the FFA, the Navy is the lead federal agency and EPA is the lead regulatory agency for remediation of former NAVWPNSTA Concord. California Environmental Protection Agency's DTSC and the Water Board represent the State of California. The EPA, DTSC, and the Water Board provide guidance, review and approval of documents and decisions for the remediation of Former NAVWPNSTA Concord, as stipulated in the FFA.

In 2005, the BRAC Commission recommended closure of the Inland Area except for a portion of the property and facilities in the Inland Area necessary to support Army operations in the Tidal Area. Therefore, the Tidal Area and 115 acres of the Inland Area were transferred to the Army on October 1, 2008; the Army property was re-named Military Ocean Terminal Concord. The remaining portion of the Inland Area was declared surplus in March 2007 and was operationally closed in September 2008. The Navy is currently preparing the appropriate environmental documentation to support the future transfer of the Inland Area.

Former NAVWPNSTA Concord is being investigated under CERCLA within the Defense Environmental Restoration Program, which consists of two sub-programs: the IR Program, and the Military Munitions Response Program (MMRP). The IR Program is specific to military facilities; its purpose is to identify, investigate, and environmentally restore sites containing hazardous substances to reduce the risk to human health and the environment. The MMRP addresses environmental health and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents.

Site 27 was investigated under the IR Program, which began in 1983 with an Initial Assessment Study (IAS) to collect and evaluate information on past base operations. The IAS indicated that contaminants may have been released to soil, sediment, or groundwater at former NAVWPNSTA Concord. Site 27 is one of 21 IR Program sites in the Inland Area of former NAVWPNSTA investigated to evaluate whether past Navy operations resulted in releases of hazardous substances to the environment.

Site 27 occupies 0.41 acre in the northern portion of the Inland Area and includes Building IA-20, Building IA-36, and the immediate surrounding area. Site 27 is located approximately 800 feet south of State Highway 4 on the side of a hill at an elevation ranging between approximately 88 feet and 104 feet above mean sea level. Site 27 generally slopes down toward H Street to the west. A drainage swale and a drainage ditch are present on Site 27 to the north and to the west, respectively, of the two buildings (Figure 2).

Building IA-20 was constructed on a concrete slab foundation in 1947 and formerly housed a chemical laboratory and a materials testing laboratory that was part of the Weapons Quality

Engineering Center Scientific and Engineering Division. The chemical laboratory was used primarily to test oils and hydraulic fluids and to develop new test methods for weapons. The materials testing laboratory evaluated the structural integrity and dynamics of ordnance casings, shells, and missiles. The laboratory has ceased operations and is currently vacant.

Building IA-36 was a boiler house constructed on a concrete slab foundation in 1946 that used a diesel underground storage tank (UST) to provide heat and hot water to several buildings in the area. The 10,000-gallon UST formerly located southwest of Building IA-36 was removed in 1997. The Contra Costa County Health Services Department issued a letter to the Navy recommending no further action for the UST in February 1998, and the Water Board issued a closure letter for the UST in June 2006. Building IA-36 is currently vacant.

Activities formerly conducted at Buildings IA-20 and IA-36 are suspected sources of soil contamination at Site 27. [Figure 2](#) presents the locations of the buildings and structures currently and formerly located within Site 27.

2.2 SITE CHARACTERISTICS

The **regional geology**⁽¹⁾ consists of hills and broad lowlands underlain by thick, unconsolidated Pleistocene-age alluvial soils eroded from up-thrown blocks. Bedrock at the Inland Area is a Pliocene non-marine sedimentary rock formation. The surface geology near Site 27 is associated with the geologic units of Los Medanos Hills. Two major faults are known to exist near Site 27: the Concord and Clayton faults. The Concord Fault extends 2 miles south of Site 27 and is classified as a right-lateral strike-slip fault. The Clayton Fault lies at the base of Los Medanos Hills and extends through the former NAVWPNSTA Concord. The **soil**⁽²⁾ beneath Site 27 consists of clay, silty clay, and sandy clay with a few interbedded sand stringers.

Site 27 lies within the Mount Diablo/Seal Creek Watershed, which is bounded on the north by Suisun Bay, on the south by the northern peak of Mount Diablo, and drains an area of 37 square miles. Streams draining the watershed have their headwaters on the slopes of Mount Diablo and flow via Mount Diablo Creek, through Clayton Valley and the former NAVWPNSTA Concord, to the outlet at Suisun Bay. Mount Diablo Creek was also historically referred to as Seal Creek where it flows through the former NAVWPNSTA Concord.

Groundwater levels have not been recorded at Site 27 because no wells are installed at Site 27. Groundwater was not encountered at 25 feet below ground surface (bgs) during excavation of the UST at Building IA-36. Based on local topography, groundwater at Site 27 is assumed to flow from higher to lower elevations in the west-southwest direction. The mean annual rainfall for the area is 14 inches per year. As in most of northern California, about 84 percent of the rainfall occurs from November through March.



Figure 2
Features and Buildings Located at Site 27

The drainage swale, located north of Buildings IA-20 and IA-36, is a low-lying, unimproved area where surface rainwater runoff drains from the immediate vicinity of Site 27. The drainage swale historically was a surface water drainage channel for the upland area located northeast of Site 27. It has not been used as a surface water drainage channel for the upland area since construction of the Contra Costa water canal, which is located northeast of Site 27. Upland surface water runoff is diverted to a subsurface concrete culvert that runs below the canal and also below the Site 27 swale. As a result of the culvert, any surface water flow in the drainage swale originates locally from rainfall in the immediate vicinity of Site 27. Figure 2 shows the drainage swale.

Flora and fauna⁽³⁾ that may occur at Site 27 include those identified in the biological assessment conducted in 2010 to support environmental investigations of six Inland Area sites as typical of grassland habitat in the former NAVWPNSTA Concord. The biological assessment indicated that the Inland Area potentially supports habitat for four special status species: the golden eagle (*Aquila chrysaetos*), Alameda whipsnake (*Masticophis lateralis euryxanthus*), California red-legged frog (*Rana draytonii*), and the California tiger salamander (*Ambystoma californiense*). However, further investigations concluded that **special status species are unlikely to be present**⁽⁴⁾ at Site 27 based on the lack of preferred or potential habitat.

2.3 PREVIOUS INVESTIGATIONS AND REMOVAL ACTIONS

Table 1 identifies the investigations undertaken to evaluate conditions and identify potential contamination at Site 27 and actions taken to address the contamination. The **previous investigations**⁽⁵⁾ and actions at Site 27 are described in more detail in the 2008 Action Memorandum.

TABLE 1. PREVIOUS INVESTIGATIONS AND CLEANUP ACTIONS

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Previous Investigation/ Cleanup Action*	Date	Investigation/Cleanup Action Activities
Initial Assessment Study (IAS)	1982	The IAS identified potential contamination from activities and past disposal practices at Buildings IA-20 and IA-36. The chemical laboratory in Building IA-20 generated hazardous waste, including Freon 113 (Genesolv D); denatured alcohol, mineral spirits, and oil; and small quantities of acids and bases. The chemical laboratory also occasionally generated varying quantities of explosives wastes. The IAS reported that both hazardous and nonhazardous wastes were disposed of on and off site. On-site disposal reportedly included disposal to soil in the vicinity of IA-20. Permitted disposal of neutralized acid and bases to the sewer system were reportedly conducted.
Site Inspection (SI)	1992	An on-site investigation was conducted as part of the SI, to further evaluate the potential or actual release, and nature of potential contamination in soil reported in the IAS. Chlorofluorocarbon-113, chlorinated solvents, and polychlorinated biphenyls (PCB) were not detected in soil samples collected during this investigation. Volatile organic compounds (VOC) and pesticide concentrations were less than screening levels except for dieldrin, a pesticide, in one soil sample.

TABLE 1. PREVIOUS INVESTIGATIONS AND CLEANUP ACTIONS (CONTINUED)

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Previous Investigation/ Cleanup Action*	Date	Investigation/Cleanup Action Activities
Underground Storage Tank (UST) Investigation and Removal	1993 and 1997	Soil samples collected around an on-site 10,000-gallon diesel fuel UST formerly located along the southwest side of Building IA-36 in September 1993 indicated elevated concentrations of total petroleum hydrocarbons as diesel (TPH-d). The UST and contaminated soil were removed ⁽⁶⁾ in April 1997; the excavation reached a depth of 11 feet bgs. The southern end was excavated to a final depth of 25 feet bgs to remove additional hydrocarbon contamination detected in confirmation samples. The Contra Costa County Health Services Department issued a letter to the Navy recommending no further action in February 1998, and the Water Board issued a closure letter for the UST in June 2006. The UST removal was a compliance action under the California UST Program and not a CERCLA action.
Remedial Investigation (RI)	1995 to 1997	The Navy collected soil samples in 1995 and completed an RI report in 1997 to evaluate the nature and extent of pesticides, PCBs, and petroleum hydrocarbons at Site 27 resulting from waste disposal practices and on-site use of diesel fuel. RI sampling focused on the drainage swale (where waste was reportedly dumped), building perimeters (including the location of the in-place diesel fuel UST), and the adjacent drainage ditch. Analytical results ⁽⁷⁾ indicated pesticides and PCBs at concentrations exceeding EPA 1996 residential preliminary remediation goals (PRG), VOCs and semivolatile organic compounds (SVOC) below the residential PRG values, and elevated hydrocarbon concentrations near the UST (later removed in 1997) and drainage swale. A screening-level human health risk assessment (SLHHRA) was conducted as part of the RI to evaluate potential human health risks associated with Building IA-20 to identify chemicals of concern (COC). The SLHHRA is discussed in Section 2.5.
Focused Feasibility Study (FFS)	1997 to 2005	The SLHHRA conducted during the RI was revised in the FFS using EPA 2000 PRGs. The results of the updated SLHHRA indicated potential adverse human health effects may occur from exposure to alpha- and gamma-chlordane in surface soil at the perimeters of Buildings IA-20 and IA-36 under a residential land-use scenario. Therefore, the FFS evaluated three remedial alternatives for protection of human health from chlordane in soil: no action, land use controls, and building demolition with soil excavation and off-site incineration. The SLHHRA is discussed in Section 2.5.1.1.
Supplemental Sampling for Arsenic	2004	Based on regulatory agency comments on the draft final FFS report, the Navy collected five additional surface soil samples for analysis of arsenic. All detected arsenic concentrations were below the Inland Area background ⁽⁸⁾ concentration for arsenic established by Sites 17 and 24A at the former NAVWPNSTA Concord, where soils are similar to those at Site 27.
Proposed Plan	2005	The Navy prepared a Draft Proposed Plan for Site 27 in 2005 to present the Navy's preferred alternative, land use controls, for protection of human health from exposure to chlordane in soil. The Navy held a public meeting to present the results of the FFS and the preferred alternative. After the public meeting, the Navy and the regulatory agencies agreed that data gaps existed, and that additional sampling for chlordane and metals would be required to fully characterize Site 27.

TABLE 1. PREVIOUS INVESTIGATIONS AND CLEANUP ACTIONS (CONTINUED)

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Previous Investigation/ Cleanup Action*	Date	Investigation/Cleanup Action Activities
Site 27 Data Gaps Sampling	2007 to 2008	The Navy collected additional soil samples in 2007 and 2008 to assess the lateral extent and depth of chlordane contamination throughout Site 27 and evaluate whether metal shavings waste from past operations at Building IA-20 were released to soil. Additionally, the Navy conducted a risk-based screening by comparing concentrations of chlordane and metals in soil with EPA 2004 residential PRGs. The results indicated that chlordane concentrations ₍₉₎ in soil were highest in near-surface soils, decreased with depth, and were limited to an area approximately 10 feet around the perimeter of Buildings IA-20 and IA-36. Metals were detected ₍₁₀₎ at concentrations exceeding residential, ecological, and background screening levels. The Navy developed risk-based ecological removal goals for metals because birds and terrestrial animals were observed at Site 27. Based on the removal goals, the Navy concluded that lead and mercury posed potential risk to wildlife. The risk-based screening is discussed in Section 2.5.1.1 and the ecological risk screening is discussed in Section 2.5.1.2.
Action Memorandum	2008	The Navy issued an Action Memorandum ₍₁₁₎ in October 2008 to document the decision to undertake a time-critical removal action (TCRA) to remove soil containing concentrations of metals (lead and mercury) and PCBs (Aroclor-1248 and Aroclor-1254) that posed a potential risk to wildlife. The following removal goals were developed to protect ecological receptors at Site 27: lead – 216 milligrams per kilogram (mg/kg), mercury – 0.88 mg/kg, Aroclor-1248 – 0.06 mg/kg, and Aroclor-1254 – 0.37 mg/kg. The removal action was anticipated to provide long-term effectiveness and permanent protection for the environment, and be the final remedy for Site 27. The regulatory agencies supported the decision to conduct a removal action.
Time-Critical Removal Action (TCRA) and Removal Action Completion Summary Report (RACSR)	2008 to 2011	A TCRA conducted to remove contaminated soil began in October 2008 and was completed by June 2010. A total of 930 cubic yards (1,377 tons) of soil that contained concentrations of the chemicals of ecological concern (COEC) (lead, mercury, Aroclor-1248, and Aroclor-1254) that posed potentially significant risk to wildlife was removed. Although chlordane was not identified as a COC in the Action Memorandum, the Navy removed soil containing alpha- and gamma-chlordane at concentrations that exceeded the human health screening criterion of 1.6 mg/kg (based on EPA Region 9's 2004 PRG for total chlordane for residential soil) because chlordane was collocated with the COECs. TCRA excavation activities were temporarily suspended in 2009 based on findings of the basewide historical radiological assessment that past activities at Building IA-20 involved handling of radium 236 and uranium 238. Based on the results of a radiological support survey conducted between May and July 2009, the Navy did not identify any radiological impacts at Site 27 and concluded that it was safe to proceed with TCRA-related field activities. The TCRA activities resumed in September 2009 and were completed in June 2010. An agency-approved RACSR was completed in May 2011 to document the TCRA. A post-TCRA human health risk screening and post-TCRA ecological risk assessment (ERA) were conducted as part of the RACSR, and are discussed in Sections 2.5.3.1 and 2.5.3.2. The TCRA is discussed in more detail in Section 2.5.2.

TABLE 1. PREVIOUS INVESTIGATIONS AND CLEANUP ACTIONS (CONTINUED)

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Previous Investigation/ Cleanup Action*	Date	Investigation/Cleanup Action Activities
Proposed Plan	2012	The Navy prepared a Proposed Plan ⁽¹²⁾ to present the recommendation of no further action to the public. The Proposed Plan provided an opportunity for the community to comment on the no further action recommendation and participate in the Navy's remedy selection process for Site 27. This Proposed Plan supersedes the 2005 Proposed Plan because the preferred alternative changed from land use controls to no further action after the TCRA removed contamination that presented potential unacceptable risk to human health and the environment.

Note:

- * The documents listed are available in the Administrative Record and provide detailed information used to support the determination that no further action is required at Site 27.

2.4 CURRENT AND POTENTIAL FUTURE LAND AND RESOURCE USES

Site 27 currently consists of 0.41 acre of land and two vacant, unoccupied buildings. The surrounding area consists of undeveloped grassland. Future use of Site 27 is specified in the City of Concord "Concord Reuse Project Area Plan, Book One: Vision and Standards" dated October 2011. According to Figure 1-10 of this document, Site 27 and the immediate area are in the "Commercial Flex" district, which is set aside for business uses, but does not identify specific commercial uses. Future residential land use is not planned at Site 27.

There is no surface water at Site 27. Groundwater at Site 27 is not currently used. However, according to the San Francisco Bay Basin Water Quality Control Plan, all groundwater within the Bay Basin has a potential beneficial use for municipal or domestic supply, subject to certain exceptions set forth in State Water Resources Control Board Resolution 88-63.

2.5 SUMMARY OF SITE RISKS AND STEPS TAKEN TO ADDRESS RISKS

Human health and ecological risk evaluations at Site 27 were completed both before and after the time-critical removal action (TCRA) conducted from 2008 to 2010. The TCRA was performed for protection of wildlife. The final site risk determination for Site 27 is based on the post-TCRA human health risk screening and the post-TCRA ecological risk assessment (ERA) in 2011.

The Navy initially assessed potential risks to human health in a screening-level human health risk assessment (SLHHRA) conducted during the Remedial Investigation (RI) in 1997. The RI SLHHRA was later superseded by the updated SLHHRA in the 2005 Focused Feasibility Study (FFS) which included the RI data set; thus, the RI SLHHRA results are not presented in this ROD. After the 2005 FFS SLHHRA, analytical results for metals and chlordane from the 2007 to 2008 data gaps sampling event were compared with risk-based concentrations to determine whether the new data indicated levels that may cause potential risk. Although potential risk from exposure to chlordane in surface soil near the perimeters of the on-site buildings was indicated in

both risk evaluations, chlordane was not identified as a chemical of concern (COC) in the 2008 Action Memorandum for the TCRA.

The Navy conducted an ecological risk screening in 2008 which used the data gaps sampling results and historical organic chemical concentrations to evaluate risks to the environment. Unacceptable risks to ecological receptors were identified during the risk screening, and the Navy subsequently performed a TCRA from 2008 to 2010 to address risks to wildlife.

Although the TCRA was undertaken to protect wildlife, the soil removal reduced the risk to human health as well as ecological receptors at Site 27. To evaluate whether risk was reduced to acceptable levels, the Navy conducted follow-up human health and ecological risk evaluations as part of the 2011 Removal Action Completion Summary Report (RACSR). The RACSR used the post-TCRA dataset to estimate potential risks associated with exposure to residual concentrations of chemicals in soil at Site 27 after the TCRA soil removal. The human health risk screening and the post-TCRA ERA concluded that post-TCRA site conditions at Site 27 are protective of human health and the environment.

Based on the results of the post-TCRA human health risk screening and post-TCRA ERA, the Navy concluded that no unacceptable risks to human or ecological receptors remain at Site 27 and that no further action is required at Site 27.

The following sections are organized as follows:

- Section 2.5.1 summarizes the human health and ecological risk evaluations conducted at Site 27 before the TCRA;
- Section 2.5.2 discusses the TCRA which reduced risk at Site 27 by soil excavation and removal;
- Section 2.5.3 summarizes risk evaluations conducted after the TCRA; and
- Section 2.5.4 provides a summary of all risk evaluations.

2.5.1 Risk Evaluations Before the TCRA

Risk evaluations were necessary to determine whether concentrations of chemicals detected at Site 27 posed potentially significant or unacceptable risks to human health or the environment. The following subsections discuss the human health (Section 2.5.1.1) and ecological (Section 2.5.1.2) risk evaluations conducted before the TCRA.

2.5.1.1 Pre-TCRA Human Health Risk Evaluations

The two human health risk evaluations conducted before the TCRA are summarized in the following text.

Focused Feasibility Study Screening-Level Human Health Risk Assessment

The SLHHRA completed as part of the 1997 RI was updated for the FFS in 2005 by incorporating more current EPA Region 9 preliminary remediation goals (PRGs) adopted in 2000. The **2005 FFS SLHHRA methodology**⁽¹³⁾ was consistent with the **1997 RI SLHHRA methodology**⁽¹⁴⁾, and both were based on EPA and California Environmental Protection Agency risk assessment guidance. The 2005 FFS SLHHRA thus superseded the 1997 RI SLHHRA.

Based on the **human health conceptual site model (CSM)**⁽¹⁵⁾ first presented in the 1997 RI report, the 2005 FFS SLHHRA was completed for potential exposure to soil at Site 27. Groundwater was not considered a medium of concern because the chemicals present in soil were shallow relative to the anticipated groundwater depth and were not expected to leach into the groundwater. As a result, the groundwater pathway was not evaluated in the SLHHRA.

Potential exposure routes considered for soil in the SLHHRA included incidental ingestion of soil, dermal contact with soil, and inhalation of airborne particulates and volatile compounds released from soil. Potential receptors were evaluated based on current and future land use scenarios, including an industrial worker and a resident. Although residential development was not anticipated at Site 27 in the future, the Navy included the residential exposure scenario in the SLHHRA to evaluate risk for an unrestricted reuse scenario.

Multiple configurations were evaluated in the FFS SLHHRA to estimate potential risks for current and future exposure scenarios for the following three areas of Site 27: the perimeter of buildings (current conditions only), the area excluding the building perimeters, and the entire Site 27 area. The FFS SLHHRA used data exclusively from the RI to estimate potential risks; the maximum soil sample depth in the RI was 4 feet bgs (no soil samples were collected below 4 feet bgs at Site 27 until after the RI phase). Soil samples collected from 0 to 0.5 foot bgs were used to evaluate potential exposures associated with the current uses. Soil samples collected from 2 to 4 feet bgs were used to assess future uses, under the assumption that subsurface soil would be mixed and redistributed to the surface as a result of regrading or excavation.

Potential cancer risks and noncancer hazards were calculated based on reasonable maximum exposure (RME) conditions. RME assumptions provide a conservative and protective approach that estimates the highest health risks that are reasonably expected to occur at a site. Actual risks from exposure to **chemicals of potential concern (COPC)**⁽¹⁶⁾ in soil at Site 27 are likely to be lower.

Risk management decisions for exposure levels for known or suspected carcinogens are generally based on concentration levels that represent an excess upper bound lifetime cancer risk to an individual between 1×10^{-4} (a 1 in 10,000 chance of developing cancer) and 1×10^{-6} (a 1 in 1,000,000 chance of developing cancer) using information on the relationship between dose and response. Risks that fall within this range are said to be within the risk management range. Risks below this range are considered insignificant, and risks exceeding this range may indicate the need for further evaluation or remediation. The 1×10^{-6} cancer risk level or a noncancer hazard index (HI) greater than 1 is used as the point of departure for establishing cleanup goals when remedial action is warranted.

To help characterize risk, the Navy adopted a conservative approach that evaluated the need for action for chemicals with cancer risks greater than 10^{-6} or a noncancer HI greater than 1 (referred to as “risk drivers”). The **FFS SLHHRA results**⁽¹⁷⁾ for each of the site configurations evaluated are presented in Table 2 and discussed in the text that follows.

Perimeter of Buildings IA-20 and IA-36. Based on the evaluation of the current Site 27 configuration, the cancer risk estimates for both the resident and the industrial worker were within the EPA’s risk management range of 10^{-6} and 10^{-4} that EPA generally considers acceptable. The noncancer HI was estimated as 2 for the resident, which exceeded EPA’s threshold of 1 for noncancer effects. The noncancer HI for the industrial worker was less than the noncancer threshold of 1.

TABLE 2. FOCUSED FEASIBILITY STUDY SLHHRA RESULTS

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Area	Residential		Industrial	
	Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
Current Site Configurations^a				
Perimeter of Buildings	3×10^{-5}	2	4×10^{-6}	0.08
Site 27, Excluding Building Perimeters	6×10^{-6}	1	1×10^{-6}	0.08
Entire Site 27	4×10^{-6}	0.6	8×10^{-7}	0.05
Future Site Configurations^b				
Perimeter of Buildings	--	--	--	--
Site 27, Excluding Building Perimeters	2×10^{-6}	0.2	4×10^{-7}	0.02
Entire Site 27	3×10^{-6}	0.4	5×10^{-7}	0.03

Notes:

a Current site configurations were evaluated using soil data collected from 0 to 0.5 foot below ground surface.

b Future site configurations were evaluated using soil data collected at all available depths (that is, from 0 to 4 feet below ground surface).

-- Not available. Soil data were not available within the depth interval selected to assess impacts to future receptors (2 to 4 feet bgs) for evaluation of future conditions at Site 27. Therefore, potential impacts associated with future conditions at Site 27 around the perimeter of the buildings could not be quantified.

Site 27, Excluding the Perimeter of Buildings IA-20 and IA-36. The cancer risk estimates for the resident and the industrial worker under the current Site 27 configuration were both within EPA’s risk management range. For future Site 27 configurations, the cancer risk estimates for the resident and the industrial worker were within or below EPA’s risk management range. The noncancer HI for the resident under the current Site 27 configuration was estimated to be equal to the noncancer threshold of 1 and for a future Site 27 configuration was estimated to be below the threshold of 1. The noncancer HI for the industrial worker was less than the threshold of 1 for both current and future Site 27 configurations.

Entire Site 27. The estimated cancer risks for both the current and future Site 27 configurations were within EPA’s risk management range for a resident and below the risk management range

for an industrial worker. All noncancer HI estimates for current and future Site 27 configurations were below the noncancer threshold value of 1 for both the resident and industrial worker.

The SLHHRA indicated that carcinogenic risk estimates are greater than the conservative minimum threshold of 10^{-6} that is used as a point of departure for establishing cleanup goals. Still, the estimates are within the risk management range that EPA generally considers acceptable. The **FFS SLHHRA conclusions**⁽¹⁸⁾ in 2005 indicated potential adverse human health effects due to exposure to chlordane in surface soil around the perimeter of Buildings IA-20 and IA-36, based on the noncancer hazard index of 2 for the unrestricted residential use scenario. No unacceptable potential risks or hazards were identified for the industrial land use scenario in the 2005 FFS SLHHRA. While the 2005 FFS SLHHRA did not identify **Aroclor-1248 and Aroclor-1254**⁽¹⁹⁾ as risk drivers, these two chemicals contributed most of the cancer risk for a resident and industrial worker for the current configuration for Site 27 excluding the building perimeters, and the entire Site 27 area. The SLHHRA specified the **uncertainties**⁽²⁰⁾ inherent in the risk assessment process based on the data evaluation, exposure assessment, fate and transport modeling, estimating exposure point concentrations (EPC) and literature-based exposure and toxicity values used to calculate risk. The effects of uncertainties are overestimation or underestimation of the actual cancer risk or HI. In general, the risk assessment process is based on the use of conservative (health-protective) assumptions that, when combined, are intended to overestimate the actual risk.

Following the 2005 FFS, the Navy considered remedies to address risk from chlordane in soil. However, the Navy and regulatory agencies agreed that data gaps existed, and that additional sampling for chlordane and metals would be required to fully characterize Site 27.

Data Gaps Risk-Based Screening

Samples collected at Site 27 during and before the RI had not been analyzed for metals; thus, the 2005 FFS SLHHRA did not include an evaluation of risk from exposure to metals in soil. The Navy collected additional soil samples during the 2007 to 2008 data gaps sampling event for characterization and risk evaluation of chlordane and metals at Site 27; no other chemicals were analyzed. The Navy conducted a risk-based screening in the 2008 Action Memorandum by comparing concentrations of **chlordane and metals in soil**⁽²¹⁾ to EPA 2004 residential PRGs. Results for chlordane and metals detected during the data gaps sampling event were generally below the EPA residential PRGs, and for metals, the **background**⁽⁸⁾ limit concentrations for Site 27. There is no background concentration for chlordane. The following metals were detected greater than the EPA residential PRG and background concentration: **arsenic, iron, lead, and vanadium**⁽²²⁾. Iron was considered an essential nutrient and was not considered further. Chlordane was detected at concentrations above the PRG in near-surface soils within approximately 10 feet of the building perimeters.

Based on the data gaps risk-based screening and the prior results of the 2005 FFS SLHHRA, the Navy concluded in the Action Memorandum that metals and polychlorinated biphenyls (PCBs) detected in soil at Site 27 did not pose a significant threat to human health. Chlordane was not identified as a COC in the Action Memorandum; however the distribution of chlordane in soil

was co-located with other COCs in the excavation footprint proposed for removal in the Action Memorandum.

2.5.1.2 Pre-TCRA Ecological Risk Screening

Based on the presence of birds and terrestrial animals observed at Site 27 during previous site walks, the Navy conducted an **ecological risk screening**⁽²³⁾ to identify chemicals of potential ecological concern (COPEC) as part of the data gaps sampling in 2007 and 2008. An ecological risk evaluation had not previously been conducted for Site 27.

The American robin (*Turdus migratorius*) and the western harvest mouse (*Reithrodontomys megalotis*), both omnivores, were identified as the most sensitive representative ecological receptors evaluated in the screening-level ecological risk assessment (SLERA) for nearby Site 22 and consequently were chosen as representative ecological receptors for Site 27. Site 27 is located approximately 1 mile north-northwest of Site 22 and is upland habitat similar to the habitat of Site 22. Potential exposure pathways to chemicals located on site included direct contact and ingestion through the food chain.

Metals concentrations⁽²⁴⁾ detected in samples collected in 2007 and 2008 were compared with ecological benchmarks. Food chain models for the American robin and western harvest mouse were used to calculate estimated daily doses based on the maximum concentrations of metals. The estimated dose was compared using both low and high toxicity reference values (TRV) to estimate the potential adverse biological effects on each ecological receptor. A low TRV represents a chronic no-effects level, and a high TRV represents a low or mid-range effect level. A chemical was determined to have potentially significant or unacceptable risk if a hazard quotient (HQ) based on the high TRV was greater than 1 (where $HQ = \text{estimated daily dose} / \text{TRV}$). Results indicated the maximum concentrations of lead and mercury posed potentially significant or unacceptable risk to the American robin (Table 3).

Food chain models for the representative ecological receptors were also used to calculate estimated daily doses based on the maximum concentrations of **organic chemicals**⁽²⁵⁾ collected during previous investigations. Similarly, a chemical with a HQ greater than 1 based on the high TRV was determined to pose potentially significant or unacceptable risk. The results indicated concentrations of Aroclor-1254 posed potentially significant risk to the American robin and that both Aroclor-1248 and Aroclor-1254 posed potentially significant risk to the western harvest mouse (Table 3).

Based on the results of the ecological risk screening, the Navy identified lead, mercury, Aroclor-1248, and Aroclor-1254 as chemicals of ecological concern (COEC). The Navy determined that a TCRA was required to remove soil containing concentrations of lead, mercury, Aroclor-1248, and Aroclor-1254 that posed a potential risk to wildlife. The Navy calculated risk-based removal goals for each COEC, and conducted a TCRA to remove soil containing concentrations of COECs that posed a potentially significant or unacceptable risk to wildlife.

TABLE 3. HAZARD QUOTIENTS GREATER THAN 1.0 BASED ON HIGH TRVs

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Ecological Receptor	Metals		PCBs	
	Lead HQ	Mercury HQ	Aroclor-1248 HQ	Aroclor-1254 HQ
American Robin	1.11	6.84	*	1.82
Western Harvest Mouse	*	*	6.32	2.68

Notes:

HQ Hazard quotient, equal to the estimated dose as determined through food chain modeling divided by the high TRV

PCB Polychlorinated biphenyl

TRV Toxicity reference value.

* Indicates that the HQ is less than 1

2.5.2 TCRA Summary

Based on results from the ecological risk screening conducted in 2008, the Navy determined that a TCRA would be required to address potential risks to ecological receptors. The Navy therefore developed risk-based removal goals to protect wildlife inhabiting or visiting Site 27 (Table 4). The removal goals guided the extent of excavation for the TCRA conducted from 2008 to 2010.

TABLE 4. RISK-BASED ECOLOGICAL REMOVAL GOALS

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Ecological Receptor	Lead (mg/kg)	Mercury (mg/kg)	Aroclor-1248 (mg/kg)	Aroclor-1254 ^a (mg/kg)
American Robin	216	0.88	NA	0.92
Western Harvest Mouse	NA	NA	0.06	0.37

Notes:

a Bold value indicates lowest risk-based removal goal for the exposure medium.

mg/kg Milligram per kilogram

NA Not applicable (This chemical was not considered a COEC for this receptor.)

The Navy began the first excavations on October 14, 2008. The **initial TCRA excavation boundaries**⁽²⁶⁾ were selected based on the results of samples collected during previous investigations. After the initial excavations were completed, **confirmation samples**⁽²⁷⁾ were collected and evaluated against the **removal goals and attainment criteria**⁽²⁸⁾ established for the TCRA. Sample results in compliance with removal goals delineated the limit of an excavation. Excavation boundaries were expanded in areas where removal goals were not reached; the removal area was vertically or laterally expanded until the dataset of confirmation samples was in compliance with attainment criteria. Investigation and excavation continued in this manner until the attainment criteria for all COCs were met.

Prior to the TCRA, elevated concentrations of Aroclor-1248 were expected to be present in soil only to 1 foot bgs. Aroclor-1248 was later discovered at elevated concentrations at depths greater than 6 feet bgs (the maximum depth of concern for ecological receptors because the likely receptors are not expected to use subsurface soil beyond 6 feet bgs). Therefore, an additional removal goal for Aroclor-1248 at depths greater than 6 feet bgs was added based on potential risk to human health. Since a site-specific human health risk-based removal goal had not been developed for Aroclor-1248 before the TCRA, the EPA 2008 residential soil PRG of 0.22 mg/kg was established as the removal goal for all TCRA excavations deeper than 6 feet bgs.

At the completion of the TCRA excavations on June 29, 2010, **nine phases of excavations⁽²⁹⁾** had been conducted and a total of 930 cubic yards (1,377 tons) of **contaminated soil had been removed⁽³⁰⁾**. Three distinct excavation areas resulted (Figure 3): two areas of approximately 2 cubic yards each removed during Phase 1 and 2, and one much larger area of approximately 926 cubic yards removed over all nine phases. The larger area was an **irregularly shaped excavation⁽³¹⁾** with varying bottom depths up to 16 feet bgs (Figure 3).

All excavations were backfilled with clean imported soil that met the DTSC's requirements for clean imported fill, and consisted of virgin geologic material of natural origin from an off-site source. The excavations were backfilled to elevations near the original grade. All wastes generated during the field activities at Site 27 were classified, labeled, managed, transported, and disposed of off site in accordance with applicable state and federal regulations. All field activities for the TCRA were completed by August 13, 2010.

The **attainment criteria⁽³²⁾** of the TCRA were achieved. All contaminated soil containing metals (lead and mercury) and PCBs (Aroclor-1248 and Aroclor-1254) at concentrations that posed unacceptable risk to wildlife was removed. Approximately 555 cubic yards of soil deeper than 6 feet bgs that contained Aroclor-1248 at concentrations exceeding the human health-based removal goal for residential soils were also removed to support a future unrestricted reuse scenario. Although chlordane was not identified as a COC in the Action Memorandum, soil that contained chlordane at concentrations that exceeded the human health screening criterion of 1.6 mg/kg (based on the EPA 2004 PRG for residential soils) was also removed since it was collocated in the same footprint as soil removed for elevated metals.

2.5.3 Risk Evaluations After the TCRA

Post-TCRA risk evaluations were necessary to make the final risk determination for Site 27 and support closure with no further action. The Navy therefore conducted a post-TCRA human health risk screening (Section 2.5.3.1) and a post-TCRA ecological risk assessment in 2011 (Section 2.5.3.2). The full risk evaluations are documented in the RACSR.

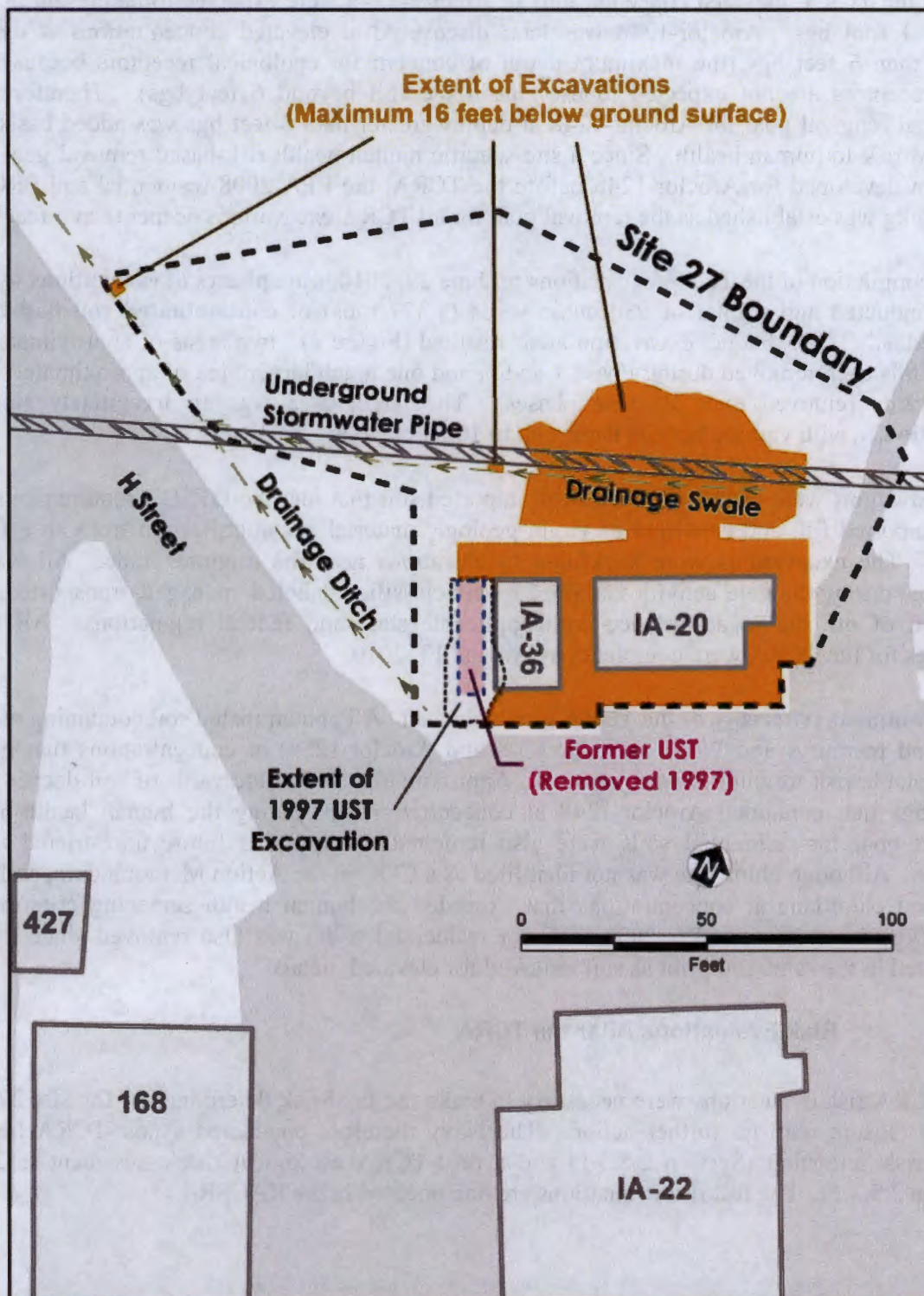


Figure 3
Extent of the TCRA Excavation at Site 27

2.5.3.1 Post-TCRA Human Health Risk Screening

Although the TCRA was driven by ecological risk rather than human health risk, the Navy conducted a human health risk screening in 2011 to evaluate whether post-TCRA conditions at Site 27 are protective of human health. Post-TCRA conditions at Site 27 were evaluated using a post-TCRA dataset, which included both historical samples that remained in place after the TCRA and confirmation and characterization samples that were collected during the TCRA.

For the **post-TCRA human health risk screening**⁽³³⁾, the maximum detected concentration of chemicals in samples remaining in place after the TCRA were compared with the residential and industrial **risk-based criteria**⁽³⁴⁾ established by EPA and DTSC. A **comparison of the maximum concentrations**⁽³⁵⁾ of chemicals in soils to risk-based screening criteria showed that only arsenic, vanadium and the PCB Aroclor-1254 exceeded the residential screening levels (Table 5). Arsenic was the only chemical that was detected above the industrial screening level. The post-TCRA human health risk screening concluded that arsenic levels in soils are comparable to naturally occurring levels. For vanadium, the residential HI associated with the maximum detected concentration is 1, which is equal to the threshold HI of 1 for noncancer effects. For Aroclor-1254, the post-TCRA human health risk screening determined that the estimated residential cancer risk for Aroclor-1254 is 1×10^{-6} , which is the point of departure for residential cancer risk.

The **post-TCRA human health risk screening summarized**⁽³⁶⁾ that the estimated carcinogenic risks at Site 27 are within or below the risk management range and non-carcinogenic hazards are at the acceptable threshold of 1. Thus, concentrations for chemicals remaining in soils at Site 27 do not pose unacceptable risk to human health.

2.5.3.2 Post-TCRA Ecological Risk Assessment

In 2011, the Navy conducted an ERA to evaluate post-TCRA conditions and characterize potential threats to the environment that may be posed by COPECs remaining in place at Site 27. A SLERA or baseline ERA (BERA) to evaluate risk to ecological receptors had not previously been conducted and was necessary to determine whether closure of Site 27 with no further action was protective of the environment.

Post-TCRA conditions at Site 27 were evaluated based on results from the post-TCRA dataset. Samples included in the post-TCRA dataset were confirmation and characterization samples associated with the TCRA, as well as historical characterization samples which had not been removed by the TCRA soil excavations and thus were deemed representative of post-TCRA soil conditions.

TABLE 5. POST-TCRA HUMAN HEALTH RISK SCREENING RESULTS
Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Analyte	Comparison Criteria			0 to 0.5 Feet Below Ground Surface			0 to 10 Feet Below Ground Surface			Rationale for No Further Action for Chemicals where the Maximum Concentration Exceeds the Residential or Industrial SL
	Residential SL (mg/kg)	Industrial SL (mg/kg)	Background Level for Inland Area ^a	Maximum Result, Post-Removal (mg/kg)	Maximum Result Exceeds Residential SL?	Maximum Result Exceeds Industrial SL?	Maximum Result, Post-Removal (mg/kg)	Maximum Result Exceeds Residential SL?	Maximum Result Exceeds Industrial SL?	
METALS										
Aluminum	77,000	990,000	20,000	23,200	No	No	23,200	No	No	NA
Antimony	31	410	1	2.2	No	No	2.2	No	No	NA
Arsenic	0.062	0.25	7.3	6.7	Yes	Yes	6.7	Yes	Yes	Maximum concentration is less than the background level for arsenic.
Barium	15,000	190,000	210	317	No	No	317	No	No	NA
Beryllium	160	2,000	0.56	0.67	No	No	0.67	No	No	NA
Cadmium	2	7.5	0.15	0.58	No	No	0.58	No	No	NA
Chromium	120,000	1,500,000	55	53.6	No	No	53.6	No	No	NA
Cobalt	23	300	24	22.6	No	No	22.6	No	No	NA
Copper	3,100	41,000	64	58.9	No	No	58.9	No	No	NA
Iron	55,000	720,000	N/A	34,300	No	No	34,300	No	No	NA
Lead	80	320	18	15.1	No	No	34.6	No	No	NA
Manganese	1,800	23,000	870	892	No	No	892	No	No	NA
Mercury	23	310	0.14	0.44	No	No	0.84	No	No	NA
Molybdenum	390	5,100	DL	0.47	No	No	0.47	No	No	NA
Nickel	1,500	20,000	86	85.2	No	No	85.2	No	No	NA
Selenium	390	5,100	DL	0.28	No	No	0.28	No	No	NA
Silver	390	5,100	DL	0.25	No	No	0.25	No	No	NA
Thallium	5.2	67	DL	0.30	No	No	0.43	No	No	NA
Vanadium	78	1,000	86	89.4	Yes	No	89.4	Yes	No	Only one sample exceeded the residential SL; ratio of maximum vanadium concentration and the noncancer-based residential SL is equal to 1.

TABLE 5. POST-TCRA HUMAN HEALTH RISK SCREENING RESULTS (CONTINUED)

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Analyte	Comparison Criteria			0 to 0.5 Feet Below Ground Surface			0 to 10 Feet Below Ground Surface			Rationale for No Further Action for Chemicals where the Maximum Concentration Exceeds the Residential or Industrial SL
	Residential SL (mg/kg)	Industrial SL (mg/kg)	Background Level for Inland Area ^a	Maximum Result, Post-Removal (mg/kg)	Maximum Result Exceeds Residential SL?	Maximum Result Exceeds Industrial SL?	Maximum Result, Post-Removal (mg/kg)	Maximum Result Exceeds Residential SL?	Maximum Result Exceeds Industrial SL?	
METALS										
Zinc	23,000	310,000	83	106	No	No	106	No	No	NA
PCBS										
Aroclor-1248	0.22	0.74	N/A	0.036 J	No	No	0.14	No	No	NA
Aroclor-1254	0.22	0.74	N/A	0.28	Yes	No	0.28	Yes	No	Only one sample exceeded the residential SL; cancer risk estimated to be within the risk management range.
PESTICIDES										
Alpha-Chlordane	1.6	6.5	N/A	0.031 J	No	No	0.86	No	No	NA
Gamma-Chlordane	1.6	6.5	N/A	0.028	No	No	0.74 J	No	No	NA
SVOCS										
Fluoranthene	2,300	22,000	N/A	0.028 J	No	No	0.028 J	No	No	NA
Pyrene	1,700	17,000	N/A	0.021 J	No	No	0.021 J	No	No	NA

Notes:

Analyte for which the maximum result exceeds the residential or industrial SL are in **bold**.

A	Background level for Site 27 adopted from Inland Area Site 17 and 24A; background was set at the maximum detected concentration after exclusion of outliers.
DL	Detection Limit
J	Estimated
mg/kg	Milligram per kilogram
NA	Not applicable
N/A	Not available
PCB	Polychlorinated biphenyl
SL	Screening Level
SVOC	Semivolatile organic compound

The Navy's ERA approach consists of a three-step process, divided into two parts: screening-level and baseline. The primary objective of Step 1 (the first step of the SLERA) was to identify complete exposure pathways between chemicals and selected ecological receptors at Site 27. Existing data for COPECs that remained in place from 0 to 3 feet bgs after the TCRA were used to evaluate potential ecological risks to plants, invertebrates, birds, and non-burrowing mammals in the SLERA. Data for soil from 0 to 6 feet bgs were used to evaluate potential risks to burrowing mammals, as represented by the western harvest mouse. In Step 2 (the second step of the SLERA), risks were characterized using screening ecotoxicity estimates and conservative exposure assumptions when complete pathways were identified for the chemicals. Based on the results of Steps 1 and 2 — which identified metals, Aroclor-1254, and total chlordane as ecological concerns — the Navy conducted a third step to refine the SLERA. In Step 3, a **risk refinement**₍₃₇₎ (Step 3a, the first step of a BERA) was conducted.

While the dose calculations for Step 2 were conducted using maximum detected chemical concentrations, the doses were calculated in the Step 3a risk refinement using upper 95 percent confidence limit on the arithmetic mean (95 UCL) concentration where available. This step also included comparisons of the detected chemical concentrations in soil with former NAVWPNSTA Concord background concentrations and evaluations of the frequency and magnitude of chemical detections, and adjustments to the vertebrate doses based on more realistic assumptions.

The results of the Step 3a risk refinement indicated that none of the COPECs poses unacceptable risk to plants, invertebrates, birds, or mammals. Therefore, soil remaining in place at Site 27 does not pose an unacceptable risk to the environment.

2.5.4 Summary of Human Health and Ecological Risk Evaluations

To assess risks to human health, the Navy conducted a SLHHRA as part of the FFS in 2005 (which superseded the SLHHRA conducted in the RI) and a risk-based screening in 2008. To assess risk to the environment, the Navy conducted an ecological risk screening in 2008. The ecological risk screening indicated potentially significant or unacceptable risk to wildlife from exposure to soil at Site 27 containing concentrations of lead, mercury, Aroclor-1248, and Aroclor-1254. Therefore, the Navy conducted a TCRA from 2008 until 2010 to address ecological risks.

Although the TCRA was undertaken to protect wildlife, the soil removal also reduced the risk to humans. To document reduction of risk to acceptable levels, the Navy conducted follow-up human health and ecological risk evaluations to estimate potential risks associated with exposure to residual concentrations of chemicals remaining in soil at Site 27 after the TCRA soil removal. Based on the results of the post-TCRA screening against human health risk-based criteria, the Navy concludes that Site 27 does not pose an unacceptable risk to human health. Based on the results of the post-TCRA SLERA and Step 3a risk refinement, the Navy concludes that Site 27 does not pose an unacceptable risk to wildlife.

A summary of the human health and ecological risk evaluations conducted at Site 27 is presented in Table 6.

TABLE 6. SUMMARY OF HUMAN HEALTH AND ECOLOGICAL RISK EVALUATIONS

Record of Decision for Site 27, Former NAVWPNSTA Concord, Concord, California

Risk Evaluation Title	Data Used for Evaluation	Year Conducted	Results	How Risk was Addressed
Human Health Risk Evaluations				
RI SLHHRA	RI Soil Data (Organic Chemicals Only)	1997	Superseded by the FFS SLHHRA.	
FFS SLHHRA	RI Soil Data (Organic Chemicals Only)	2005	Chlordane was identified as the noncancer risk driver. Aroclor-1248 and Aroclor-1254 were not identified as risk drivers, but contributed most of the cancer risk and non-cancer hazard for a resident and industrial worker for the current configuration for Site 27 excluding the building perimeters, and the entire Site 27 area.	The 2008 TCRA Action Memorandum later concluded that Aroclor-1248 and Aroclor-1254 do not pose a significant threat to human health.
Data Gaps Risk-Based Screening	Data Gaps Soil Data (Metals and Chlordane Only)	2008	Arsenic, iron, lead, and vanadium were detected at concentrations above screening levels. Chlordane concentrations exceeded the PRG in soil around the building perimeters.	The 2008 TCRA Action Memorandum concluded that metals in soil do not pose a significant threat to human health.
Post-TCRA Human Health Risk Screening	RI, Data Gaps, and TCRA Data Representative of Soil Remaining in Place after the TCRA	2011	Concentrations of chemicals remaining in soils after the TCRA at Site 27 do not pose unacceptable risk to human health.	Risk from Aroclor-1248, Aroclor-1254, metals, and chlordane were reduced as a result of the TCRA soil removal. No unacceptable risk remains at Site 27 following completion of the TCRA soil removal.
Ecological Risk Evaluations				
Ecological Risk Screening	RI and Data Gaps Soil Data	2008	Lead, mercury, Aroclor-1248, and Aroclor-1254 were identified as posing a potentially significant or unacceptable risk to wildlife.	The TCRA Action Memorandum concluded that a removal action was necessary to protect the environment.
Post-TCRA Ecological Risk Assessment	RI, Data Gaps, and TCRA Data Representative of Soil Remaining in Place after the TCRA	2011	Concentrations for chemicals remaining in soils after the TCRA at Site 27 do not pose unacceptable risk to ecological health.	Soil containing lead, mercury, Aroclor-1248, and Aroclor-1254 exceeding removal goals was excavated during the TCRA. No unacceptable risk remains at Site 27 following completion of the TCRA soil removal.

Notes:

FFS Focused Feasibility Study
RI Remedial Investigation

SLHHRA Screening-level human health risk assessment
TCRA Time-Critical Removal Action

2.6 DOCUMENTATION OF SIGNIFICANT CHANGES

The proposed plan for Site 27 was released for public comment on January 4, 2012, and a public meeting was held on January 18, 2012. Responses to comments received from the community are provided in the responsiveness summary (Attachment C). The Navy concluded that no significant changes to the no further action determination are necessary or appropriate.

2.7 COMMUNITY PARTICIPATION

Community participation at the former NAVWPNSTA Concord includes a Restoration Advisory Board (RAB), public meetings, public information repositories, newsletters and fact sheets, public notices, and an IR Program website. The 2007 Community Involvement Plan Update for the former NAVWPNSTA Concord provides detailed information on community participation for the IR Program and documents interests, issues, and concerns raised by the community regarding ongoing investigation and cleanup activities at the former NAVWPNSTA Concord.

RAB meetings are held the first Wednesday of the month on a quarterly basis and are open to the public to provide opportunity for public comment and input. Documents and relevant information relied on in the remedy selection process are made available for public review in the information repository listed below or on the **IR Program website**⁽³⁸⁾, (<http://www.bracpmo.navy.mil>):

Concord Public Library
2900 Salvio Street
Concord, California 94519
Phone: (925) 646-5455

For access to the Administrative Record, contact:

Ms. Diane Silva
Command Records Manger
NAVFAC Southwest
1220 Pacific Highway
Code EVR, Building 1, 3rd Floor
San Diego, California 92132
Phone: (619) 556-1280

For additional information on the IR Program, contact:

Mr. Scott D. Anderson
BRAC Environmental Coordinator
BRAC Program Management Office West
1455 Frazee Road, Suite 900
San Diego, California 92108-4310
(619) 532-0938

In accordance with CERCLA §§ 113 and 117, the Navy provided a public comment period from January 4 to February 3, 2012, for the proposed no further action recommendation described in the Proposed Plan for Site 27. The Proposed Plan was mailed to the former NAVWPNSTA Concord community mailing list. A public meeting to present the Proposed Plan was held from 6:00 to 8:00 p.m. on January 18, 2012. Public notice of the meeting and availability of documents appeared in the *Contra Costa Times* on January 4 and January 8, 2012, on the IR Program website, and was noted in the Proposed Plan. The **transcript**₍₃₉₎ of the public meeting is included within the reference section of this ROD.

2.8 RESPONSIVENESS SUMMARY

The purpose of the responsiveness summary is to summarize information about the views of the public on both the remedial alternatives and general concerns about Site 27 submitted during the public comment period. The responsiveness summary documents in the public record how public comments were integrated into the decision-making process.

The participants in the public meeting, held on January 18, 2012, included community members, RAB members, and representatives of the Navy and regulatory agencies. Questions and concerns received during the meeting are documented in the meeting transcript. Responses to comments provided by the Navy at the meeting and received during the public comment period are included in the responsiveness summary (Attachment C).

3.0 BASIS FOR THE NO FURTHER ACTION DECISION

Data from soil samples collected at Site 27 prior to and during the TCRA soil removal that were not removed because they did not exceed removal goals represent the condition of the soil that remains at the Site; no sampling was conducted after the TCRA was completed. Therefore, to confirm that potentially unacceptable human health and ecological risks are no longer present at Site 27 after the removal of contaminated soil, the Navy conducted a post-TCRA human health risk screening and a post-TCRA ERA using the post-TCRA soil dataset as part of the soil excavation summary report (RACSR) in 2011.

The post-TCRA human health risk screening concluded that the estimated carcinogenic risks at Site 27 are within or below the risk management range and non-carcinogenic hazards are at the acceptable threshold of 1. Likewise, the results of the post-TCRA ERA indicated that none of the COPECs pose unacceptable risk to plants, invertebrates, birds, or mammals. Based on the results of the post-TCRA human health risk screening and post-TCRA ERA, the Navy concludes that the conditions at Site 27, including the concentrations of chemicals in the soil remaining in place, are protective of human health and the environment even for unlimited use and unrestricted exposure and that **no further action is required**₍₄₀₎.

This page intentionally left blank

ATTACHMENT A
REFERENCES

(Reference Documents Provided on CD Only)

This page intentionally left blank

Item	Reference or Phrase in ROD	Location in ROD	Identification of Referenced Document Available in the Administrative Record ¹
1	regional geology	Section 2.2	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Section 2.5.1. Tetra Tech EM Inc. (Tetra Tech) and Montgomery Watson. October 1997.
2	soil	Section 2.2	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Section 9.2.2. Tetra Tech and Montgomery Watson. October 1997.
3	Flora and fauna	Section 2.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 1.3.3, 2 nd paragraph. ChaduxTt Joint Venture (JV). May 23, 2011.
4	special status species are unlikely to be present	Section 2.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 1.3.3, 3 rd through last paragraphs. ChaduxTt JV. May 23, 2011.
5	previous investigations	Section 2.3	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section II B 1. Department of the Navy (Navy). October 3, 2008.
6	UST and contaminated soil were removed	Section 2.3, Table 1	Report Closure of Underground Storage Tank Site IA36, Naval Weapons Station Concord, California. Sections 2.2 through 2.4. KTW & Associates. November 1997.
7	Analytical results	Section 2.3, Table 1	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Sections 9.5 through 9.5.4 and Tables 9-3, 9-4, and 9-5. Tetra Tech EM Inc. (Tetra Tech) and Montgomery Watson. October 1997.
8	background	Section 2.3, Table 1	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Appendix A. Tetra Tech and Montgomery Watson. October 1997.
9	chlordane concentrations	Section 2.3, Table 1	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section A3.4.1 and Figure A-2. Navy. October 3, 2008.
10	Metals were detected	Section 2.3, Table 1	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section A3.4.2 and Figure A-3. Navy. October 3, 2008.
11	Action Memorandum	Section 2.3, Table 1	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section I. Navy. October 3, 2008.
12	Proposed Plan	Section 2.3, Table 1	Proposed Plan for Inland Area, Former Naval Weapons Station Seal Beach Detachment Concord, Installation Restoration Site 27, Concord, California. ChaduxTt JV. January 2010.
13	2005 FFS SLHHRA methodology	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Sections 4.0 through 10.0 of Appendix A. Tetra Tech. April 12, 2005.
14	1997 RI SLHHRA methodology	Section 2.5.1.1	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Section 10.0 through 10.1.1.3, 10.1.2 through 10.2.2, 10.2.2.5 through 10.4.1.3. Tetra Tech and Montgomery Watson. October 1997.
15	human health conceptual site model (CSM)	Section 2.5.1.1	Draft Final Remedial Investigation Report, Inland Area Sites 13, 17, 22, 24A, and 27, Naval Weapons Station Concord, California. Figure 9-6. Tetra Tech and Montgomery Watson. October 1997.

Item	Reference or Phrase in ROD	Location in ROD	Identification of Referenced Document Available in the Administrative Record ¹
16	chemicals of potential concern (COPC)	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Tables A-2 through A-6 of Appendix A. Tetra Tech. April 12, 2005.
17	FFS SLHHRA results	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Sections A11.0 through A11.3.2, Table A-8, and Tables A2-1 through A2-5 of Appendix A. Tetra Tech. April 12, 2005.
18	FFS SLHHRA conclusions	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 2.2.5.6. Tetra Tech. April 12, 2005.
19	Aroclor-1248 and Aroclor-1254	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Tables A2-2 through A2-5 of Appendix A. Tetra Tech. April 12, 2005.
20	uncertainties	Section 2.5.1.1	Final Focused Feasibility Study, Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 12.0 of Appendix A. Tetra Tech. April 12, 2005.
21	chlordane and metals in soil	Section 2.5.1.1	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Figures A-2 and A-3 of Appendix A. Navy. October 3, 2008.
22	arsenic, iron, lead, and vanadium	Section 2.5.1.1	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section III B. Navy. October 3, 2008.
23	ecological risk screening	Section 2.5.1.2	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Appendix B. Navy. October 3, 2008.
24	Metals concentrations	Section 2.5.1.2	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section III C, 3 rd and 4 th paragraphs. Navy. October 3, 2008.
25	organic chemicals	Section 2.5.1.2	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section III C, 5 th paragraph. Navy. October 3, 2008.
26	initial TCRA excavation boundaries	Section 2.5.2	Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section V A 1 and Figures 3 and 4. Navy. October 3, 2008.
27	confirmation samples	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 4.3. ChaduxTt JV. May 23, 2011.
28	removal goals and attainment criteria	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 2.0. ChaduxTt JV. May 23, 2011.
29	nine phases of excavations	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 4.2 and Appendix A. ChaduxTt JV. May 23, 2011.
30	contaminated soil had been removed	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Table 2. ChaduxTt JV. May 23, 2011.

Item	Reference or Phrase in ROD	Location in ROD	Identification of Referenced Document Available in the Administrative Record ¹
31	irregularly shaped excavation	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Figure 9. ChaduxTt JV. May 23, 2011.
32	attainment criteria	Section 2.5.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Sections 5.2 through 5.2.2. ChaduxTt JV. May 23, 2011.
33	post-TCRA human health risk screening	Section 2.5.3.1	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 6.0 and 6.1. ChaduxTt JV. May 23, 2011.
34	risk-based criteria	Section 2.5.3.1	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Table 8. ChaduxTt JV. May 23, 2011.
35	comparison of the maximum concentrations	Section 2.5.3.1	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 6.2 and Tables 9 and 10. ChaduxTt JV. May 23, 2011.
36	post-TCRA human health risk screening summarized	Section 2.5.3.1	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 6.3. ChaduxTt JV. May 23, 2011.
37	risk refinement	Section 2.5.3.2	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Sections 7.1.3 and 7.2. ChaduxTt JV. May 23, 2011.
38	IR Program website	Section 2.7	http://www.bracpmo.navy.mil
39	transcript	Section 2.7	Proposed Plan Public Meeting for Site 27. Reporter's Transcript. January 18, 2012.
40	no further action is required	Section 3.0	Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California. Section 8.0. ChaduxTt JV. May 23, 2011.

¹ **Bold blue** text indicates hyperlinks available on the reference CD detailed site information contained in the publicly available Administrative Record.

For access to information contained in the Administrative Record for the former Naval Weapons Station Seal Beach Detachment Concord, please contact:

Ms. Diane Silva
Command Records Manager
NAVFAC Southwest
1220 Pacific Highway
Code EVR, Building 1, 3rd Floor
San Diego, California 92132
(619) 556-1280
diane.silva@navy.mil

Please call in advance for an appointment Monday through Friday between 8:30 a.m. and 4:30 p.m.

This page intentionally left blank

ATTACHMENT B
ADMINISTRATIVE RECORD INDEX

This page intentionally left blank

NWS CONCORD

DRAFT ENVIRONMENTAL RESTORATION RECORD INDEX - UPDATE (SORTED BY RECORD DATE/RECORD NUMBER)

ADMINISTRATIVE RECORD DOCUMENTS

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000205	03-01-1992	WELSHANS, G.	FINAL SITE INVESTIGATION WORK PLAN,	ADMIN RECORD	SITE 00008	FRC - PERRIS	L181-09-0009 BX 0009	
NONE	04-06-2000	PRC	INLAND AREA SITES, VOLUME I OF IV (SEE		SITE 00013		30099762 SAI	
REPORT	5090.3.A.	ENVIRONMENTAL	RECORDS # 206 AND # 207 - VOLUMES II		SITE 00014	IMAGED		
N62474-88-D-5086	CTO 0132	MANAGEMENT,	AND III OF IV, RECORD # 244 - VOLUME IV		SITE 00017	CONC_001		
150		INC.	OF IV, AND RECORD # 208 - NAVFAC EFAW		SITE 00019			
		NWS CONCORD -	TRANSMITTAL LETTER)		SITE 00022			
		CONCORD, CA			SITE 00023A			
					SITE 00023B			
					SITE 00024A			
					SITE 00024B			
					SITE 00027			
AR_N60036_000206	03-01-1992	WELSHANS, G.	FINAL SITE INVESTIGATION WORK PLAN,	ADMIN RECORD	SITE 00008	FRC - PERRIS	L181-09-0009 BX 0009	
NONE	04-06-2000	PRC	INLAND AREA SITES, VOLUME II OF IV -		SITE 00013		30099762 SAI	
REPORT	5090.3.A.	ENVIRONMENTAL	SAMPLING PLAN (SEE RECORD # 205 -		SITE 00014	IMAGED		
N62474-88-D-5086	CTO 0132	MANAGEMENT,	VOLUME I OF IV, RECORD # 207 - VOLUME		SITE 00017	CONC_001		
102		INC.	III OF IV, RECORD # 244 - VOLUME IV OF IV,		SITE 00019			
		NWS CONCORD -	AND RECORD # 208 - NAVFAC EFAW		SITE 00022			
		CONCORD, CA	TRANSMITTAL LETTER)		SITE 00023A			
					SITE 00023B			
					SITE 00024A			
					SITE 00024B			
					SITE 00027			

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Author Affil.					Location	FRC Accession No.
Contract No.	CTO No.	Recipient					SWDIV Box No(s)	FRC Warehouse
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites		CD No.	FRC Box No(s)
AR_N60036_000207	03-01-1992	WELSHANS, G.	FINAL SITE INVESTIGATION WORK PLAN,	ADMIN RECORD	SITE 00008	FRC - PERRIS		L181-09-0009 BX 0009
NONE	04-06-2000	PRC	QUALITY ASSURANCE PROJECT PLAN,		SITE 00013			30099762 SAI
REPORT	5090.3.A.	ENVIRONMENTAL	INLAND AREA SITES, VOLUME III OF IV		SITE 00014	IMAGED		
N62474-88-D-5086	CTO 0132	MANAGEMENT,	(SEE RECORDS # 205 AND # 206 -		SITE 00017	CONC_001		
163		INC.	VOLUMES I AND II OF IV, RECORD # 244 -		SITE 00019			
		NWS CONCORD -	VOLUME IV OF IV, AND RECORD # 208 -		SITE 00022			
		CONCORD, CA	NAVFAC EFAW TRANSMITTAL LETTER)		SITE 00023A			
					SITE 00023B			
					SITE 00024A			
					SITE 00024B			
					SITE 00027			
AR_N60036_000244	04-01-1992	WELSHANS, G.	FINAL SITE INVESTIGATION WORK PLANS,	ADMIN RECORD	SITE 00008	FRC - PERRIS		L181-09-0009 BX 0010
NONE	04-06-2000	PRC	INLAND AREA SITES, VOLUME IV OF IV -		SITE 00013			30099762 SAI
REPORT	5090.3.A.	ENVIRONMENTAL	HEALTH AND SAFETY PLAN [SEE		SITE 00014	IMAGED		
N62474-88-D-5086	CTO 0132	MANAGEMENT,	RECORDS # 205 THROUGH # 207 -		SITE 00017	CONC_001		
166		INC.	VOLUMES I THROUGH III OF IV; AND		SITE 00019			
		NWS CONCORD -	RECORDS # 209 AND 285 - NAVFAC EFAW		SITE 00022			
		CONCORD, CA	TRANSMITTAL LETTERS]		SITE 00023A			
					SITE 00024A			
					SITE 00024B			
					SITE 00027			

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.	
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse	
						CD No.	FRC Box No(s)	
AR_N60036_000238	06-01-1996	SOOTKOOS, B.	INSTALLATION MANAGEMENT PLAN	ADMIN RECORD	SITE 00001	FRC - PERRIS	L181-09-0009 BX 0010	
NONE	06-10-2008	PRC		SENSITIVE	SITE 00002		30099762 SA	
REPORT	5090.3.A.	ENVIRONMENTAL			SITE 00003	IMAGED		
N62474-88-D-5086	NONE	MANAGEMENT, INC.			SITE 00004	CONC_003		
89		SOOHOO, R.			SITE 00005			
		NAVFAC - EFA			SITE 00006			
		WEST			SITE 00007			
					SITE 00008			
					SITE 00009			
					SITE 00010			
					SITE 00011			
					SITE 00012			
					SITE 00013			
					SITE 00014			
					SITE 00015			
					SITE 00016			
					SITE 00017			
					SITE 00018			
					SITE 00019			
					SITE 00020			
					SITE 00021			
					SITE 00022			
					SITE 00023A			
					SITE 00023B			
					SITE 00024A			
					SITE 00024B			
					SITE 00025			
					SITE 00026			
					SITE 00027			
					SITE 00028			
					SWMU 00001			
					UST 0000001			
					UST 0000002			

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000523	10-21-1996	YEE, R.	TRANSMITTAL OF THE DRAFT REMEDIAL INVESTIGATION REPORT, INLAND AREA SITES, VOLUMES I AND II OF II	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009 BX 0021	
EFAW SER	04-06-2000	NAVFAC - EFA		INFO REPOSITORY	SITE 00017		30099762 SAI	
1841.2/7010	5090.3.A.	WEST			SITE 00022	IMAGED		
CORRESPONDENCE	NONE				SITE 00024A	CONC_001		
NONE		MULTIPLE			SITE 00027			
3		AGENCIES						
AR_N60036_000591	11-14-1996	SMITH, B.	REQUEST FOR A 30 DAY EXTENSION FOR THE REVIEW OF THE DRAFT REMEDIAL INVESTIGATION REPORT, INLAND AREA SITES, VOLUMES I AND II OF II	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009 BX 0024	
NONE	04-06-2000	U.S. EPA - SAN FRANCISCO, CA			SITE 00017		30099762 SAI	
CORRESPONDENCE	5090.3.A.	YEE, R.			SITE 00022	IMAGED		
NONE	NONE	NAVFAC - EFA			SITE 00024A	CONC_002		
2		WEST			SITE 00027			
AR_N60036_001767	01-01-1997	VEST, M.	REVIEW AND COMMENTS ON THE DRAFT REMEDIAL INVESTIGATION REPORT, INLAND AREA SITES	ADMIN RECORD	BLDG 0000007SH5	FRC - PERRIS	L181-09-0009 BX 0052	
NONE	07-22-2008	DTSC - SACRAMENTO, CA		BASE	BLDG IA-20		30099762 SAI	
CORRESPONDENCE	5090.3.A.	PINASCO, J.			BLDG IA-24	IMAGED		
NONE	NONE	DTSC - SACRAMENTO, CA			SITE 00013	CONC_003		
5					SITE 00017			
					SITE 00022			
					SITE 00024A			
					SITE 00027			
AR_N60036_001766	01-17-1997	ELLIS, S.	REVIEW AND COMMENTS ON THE DRAFT REMEDIAL INVESTIGATION REPORT, INLAND AREA SITES	ADMIN RECORD	BLDG IA-24	FRC - PERRIS	L181-09-0009 BX 0052	
NONE	07-22-2008	CALIFORNIA		BASE	SITE 00013		30099762 SAI	
CORRESPONDENCE	5090.3.A.	DEPARTMENT OF			SITE 00017	IMAGED		
NONE	NONE	FISH AND GAME - SACRAMENTO, CA			SITE 00022	CONC_003		
4		PINASCO, J.			SITE 00024A			
		DTSC - SACRAMENTO, CA			SITE 00027			
AR_N60036_000592	01-21-1997	MOUTOUX, N.	REVIEW AND COMMENTS ON THE DRAFT REMEDIAL INVESTIGATION REPORT, INLAND AREA SITES	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009 BX 0024	
NONE	04-06-2000	U.S. EPA - SAN FRANCISCO, CA			SITE 00017		30099762 SAI	
CORRESPONDENCE	5090.3.A.	YEE, R.			SITE 00022	IMAGED		
NONE	NONE	NAVFAC - EFA			SITE 00024A	CONC_002		
30		WEST			SITE 00027			

UIC No. _ Rec. No.	Record Date							
Doc. Control No.	Prc. Date	Author						
Record Type	SSIC No.	Author Affil.						
Contract No.	CTO No.	Recipient						
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000593	01-21-1997	PINASCO, J.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0024
NONE	04-06-2000	DTSC -	REMEDIAL INVESTIGATION REPORT,		SITE 00017		30099762	SAI
CORRESPONDENCE	5090.3.A.	SACRAMENTO, CA	INLAND AREA SITES (INCLUDES HERD AND		SITE 00022	IMAGED		
NONE	NONE	YEE, R.	DEPARTMENT OF FISH AND GAME		SITE 00024A	CONC_002		
17		NAVFAC - EFA	COMMENTS DATED 17 JANUARY 1997, AND		SITE 00027			
		WEST	VARIOUS ATTACHMENTS)					
AR_N60036_001730	01-21-1997	ROSENGARD, J.	REVIEW AND COMMENTS ON THE INLAND	ADMIN RECORD	BLDG IA-24	FRC - PERRIS	L181-09-0009	BX 0051
NONE	07-21-2008	RESTORATION	AREA REMEDIAL INVESTIGATION REPORT		IA 0000020		30099762	SAI
CORRESPONDENCE	5090.3.A.	ADVISORY			IA 0000024	IMAGED		
NONE	NONE	BOARD MEMBER			IA 0000055	CONC_003		
17		YEE, R.			SITE 00013			
		NAVFAC - EFA			SITE 00017			
		WEST			SITE 00022			
					SITE 00027			
AR_N60036_000594	01-27-1997	GLADSTONE, S.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0024
NONE	04-06-2000	CRWQCB -	REMEDIAL INVESTIGATION REPORT,		SITE 00017		30099762	SAI
CORRESPONDENCE	5090.3.A.	OAKLAND, CA	INLAND AREA SITES		SITE 00022	IMAGED		
NONE	NONE	YEE, R.			SITE 00027	CONC_002		
18		NAVFAC - EFA			SITE 00241			
		WEST						
AR_N60036_001750	06-12-1997	SANTANA, R.	TRANSMITTAL OF THE DRAFT REMEDIAL	ADMIN RECORD	SITE 00012	FRC - PERRIS	L181-09-0009	BX 0052
EFAW SER	07-22-2008	NAVFAC - EFA	INVESTIGATION REPORT, INLAND AREA,	BASE	SITE 00013		30099762	SAI
1841.1/7266	5090.3.A.	WEST	VOLUMES I AND II		SITE 00017	IMAGED		
CORRESPONDENCE	NONE	MASON, A.			SITE 00022	CONC_003		
NONE		IT CORPORATION			SITE 00022A			
2					SITE 00024A			
					SITE 00027			
AR_N60036_000543	07-14-1997	SANTANA, R.	TRANSMITTAL OF THE RESPONSES TO	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0022
EFAW SER	04-06-2000	NAVFAC - EFA	COMMENTS ON THE DRAFT REMEDIAL		SITE 00017		30099762	SAI
18411/7296	5090.3.A.	WEST	INVESTIGATION REPORT FOR INLAND		SITE 00022	IMAGED		
CORRESPONDENCE	NONE		AREA SITES (W/ ENCLOSURE) [SEE		SITE 00024A	CONC_001		
NONE		MULTIPLE	RECORDS # 592 THROUGH # 594 -		SITE 00027			
87		AGENCIES	COMMENTS]					

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000555	07-18-1997	VIG, A.	RESPONSES TO COMMENTS ON THE	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0023
NONE	04-06-2000	PRC	DRAFT REMEDIAL INVESTIGATION REPORT		SITE 00017		30099762	SAI
CORRESPONDENCE	5090.3.A.	ENVIRONMENTAL	FOR THE INLAND AREA SITES (SEE		SITE 00022	IMAGED		
NONE	NONE	MANAGEMENT,	RECORDS # 592, 593, AND 594 -		SITE 00024A	CONC_002		
86		INC.	COMMENTS)		SITE 00027			
		SANTANA, R.						
		NAVFAC - EFA						
		WEST						
AR_N60036_000550	10-15-1997	FISHER, C.	TRANSMITTAL OF THE DRAFT FINAL	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0022
EFAW SER	04-06-2000	NAVFAC - EFA	REMEDIAL INVESTIGATION REPORT,		SITE 00017		30099762	SAI
10122/8005	5090.3.A.	WEST	INLAND AREA SITES, VOLUMES I AND II OF		SITE 00022	IMAGED		
CORRESPONDENCE	NONE		II (ENCLOSURE IS RECORD # 551)		SITE 00024A	CONC_001		
NONE		MULTIPLE			SITE 00027			
3		AGENCIES						
AR_N60036_000636	12-19-1997	FISHER, C.	FINALIZATION OF THE DRAFT FINAL	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0025
EFAW SER	04-06-2000	NAVFAC - EFA	REMEDIAL INVESTIGATION REPORT FOR		SITE 00017		30099762	SAI
10122/8057	5090.3.A.	WEST	INLAND AREA SITES IN ACCORDANCE		SITE 00022	IMAGED		
CORRESPONDENCE	NONE		WITH THE FEDERAL FACILITY SITE		SITE 00027	CONC_002		
NONE		MULTIPLE	REMEDICATION AGREEMENT		SITE 00241			
2		AGENCIES						
AR_N60036_000746	01-07-1998	SUER, L.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0028
NONE	02-21-2002	U.S. EPA - SAN	FINAL REMEDIAL INVESTIGATION REPORT,		SITE 00017		30099762	SAI
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	INLAND AREA SITES (SEE RECORD # 551 -		SITE 00022	IMAGED		
NONE	NONE	FISHER, C.	DRAFT FINAL REMEDIAL INVESTIGATION		SITE 00024A	CONC_002		
3		NAVFAC - EFA	REPORT)		SITE 00027			
		WEST						
AR_N60036_000622	08-24-1998	WONG, W.	TRANSMITTAL OF THE 1) DRAFT	ADMIN RECORD	SITE 00013	FRC - PERRIS	L181-09-0009	BX 0025
EFAW SER	04-06-2000	NAVFAC - EFA	PROPOSED PLAN FOR INLAND AREA	SENSITIVE	SITE 00017		30099762	SAI
10122/8208	5090.3.A.	WEST	SITES, AND 2) DRAFT RECORD OF		SITE 00022	IMAGED		
CORRESPONDENCE	NONE		DECISION, INLAND AREA SITES (W/		SITE 00027	CONC_002		
NONE		MULTIPLE	ENCLOSURE 1, AND ENCLOSURE 2 IS					
10		AGENCIES	RECORD # 675)					

UIC No. _ Rec. No.	Record Date	Doc. Control No.	Prc. Date	Author	Author Affil.	Record Type	SSIC No.	Contract No.	CTO No.	Recipient	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_000624	09-22-1998	NONE	04-06-2000	MOUTOUX, N.	U.S. EPA - SAN FRANCISCO, CA	CORRESPONDENCE	5090.3.A.	NONE	NONE	FISHER, C.	NAVFAC - EFA WEST	REVIEW AND COMMENTS ON THE PROPOSED PLAN FOR NO FURTHER ACTION; AND RECORD OF DECISION AT INLAND SITES [SEE RECORD # 622 - PROPOSED PLAN, AND RECORD # 623 - RECORD OF DECISION]	ADMIN RECORD	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0025 30099762 SAI
AR_N60036_000686	09-22-1998	NONE	04-06-2000	NAVFAC - EFA WEST	U.S. EPA - SAN FRANCISCO, CA	CORRESPONDENCE	5090.3.A.	NONE	NONE			RESPONSES TO COMMENTS ON THE DRAFT RECORD OF DECISION, FOR INLAND AREA SITES (SEE RECORD # 623 - DRAFT RECORD OF DECISION)	ADMIN RECORD	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0027 30099762 SAI
AR_N60036_000625	11-25-1998	EFAW SER 10122/8329	04-06-2000	WONG, W.	NAVFAC - EFA WEST	CORRESPONDENCE	5090.3.A.	NONE	NONE			TRANSMITTAL OF THE 1) DRAFT PROPOSED PLAN TO TAKE NO ACTION AT INLAND AREA SITES, AND 2) RESPONSES TO COMMENTS ON THE DRAFT RECORD OF DECISION, INLAND AREA SITES (W/ ENCLOSURE 2, AND ENCLOSURE 1 IS RECORD # 629)	ADMIN RECORD	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0025 30099762 SAI
AR_N60036_000681	03-01-1999	NONE	04-06-2000	FISHER, C.	NAVFAC - EFA WEST	FACT SHEET	5090.3.A.	NONE	NONE			FACT SHEET: PROPOSED PLAN TO TAKE NO ACTION AT INLAND AREA SITES	ADMIN RECORD SENSITIVE	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0027 30099762 SAI
AR_N60036_000685	06-29-1999	EFAW SER 10122/6299	04-06-2000	WONG, W.	NAVFAC - EFA WEST	CORRESPONDENCE	5090.3.A.	NONE	NONE			TRANSMITTAL OF THE DRAFT FINAL RECORD OF DECISION, INLAND AREA SITES (ENCLOSURE IS RECORD # 687)	ADMIN RECORD	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0027 30099762 SAI
AR_N60036_000695	08-27-1999	NONE	04-06-2000	ELLIS, S.	CALIFORNIA DEPARTMENT OF FISH AND GAME - SACRAMENTO, CA	CORRESPONDENCE	5090.3.A.	NONE	NONE	FISHER, C.	NAVFAC - EFA WEST	REVIEW AND COMMENTS ON THE DRAFT FINAL RECORD OF DECISION FOR INLAND AREA SITES (SEE RECORD # 687 - DRAFT FINAL RECORD OF DECISION)	ADMIN RECORD	SITE 00013 SITE 00017 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0027 30099762 SAI

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.	
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse	
						CD No.	FRC Box No(s)	
AR_N60036_001837	05-17-2000	RIVERA, G.	TRANSMITTAL OF THE 10 APRIL 2000	ADMIN RECORD	SITE 00013	NAVFAC -		
EFAW SER	12-11-2008	NAVFAC - EFA	INLAND AREA RECORD OF DECISION	BASE	SITE 00017	SOUTHWEST		
052GAR/5080	5090.3.A.	WEST	MEETING MINUTES (W/ ENCLOSURE)		SITE 00022			
CORRESPONDENCE	NONE				SITE 00027			
NONE		MULTIPLE						
4		AGENCIES						
AR_N60036_000818	01-07-2002		07 JANUARY 2002 FINAL RESTORATION	ADMIN RECORD	AOC 000001	FRC - PERRIS	L181-09-0009 BX 0030	
TC-0032-11436	06-25-2002	TETRA TECH EM,	ADVISORY BOARD (RAB) MEETING		SITE 00002			
MINUTES	5090.3.A.	INC.	MINUTES [SEE RECORD # 797 - NAVFAC		SITE 00009	IMAGED		
N62474-94-D-7609	CTO 0032		EFAW TRANSMITTAL LETTER]		SITE 00011	CONC_002		
32		RESTORATION			SITE 00013			
		ADVISORY BOARD			SITE 00017			
					SITE 00022			
					SITE 00027			
					SITE 00030			
					SWMU 00002			
					SWMU 00005			
					SWMU 00007			
					SWMU 00018			
AR_N60036_001047	02-04-2002	MCLEOD, D.	REQUEST FOR EXTENSION OF REVIEW	ADMIN RECORD	AOC 000001	NAVFAC -		
NONE	12-08-2008	RESTORATION	PERIODS FOR DOCUMENTS RELATED TO	BASE	RASS 00001	SOUTHWEST		
CORRESPONDENCE	5090.3.A.	ADVISORY	CLEANUP OF TOXICS	SENSITIVE	RASS 00002			
NONE	NONE	BOARD MEMBER			RASS 00003			
7		RIVERA, G.			SITE 00001			
		NAVFAC - EFA			SITE 00002			
		WEST			SITE 00009			
					SITE 00011			
					SITE 00013			
					SITE 00017			
					SITE 00022			
					SITE 00027			
					SITE 00030			

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.						
Approx. # Pages			Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000823	02-26-2002	RAMSEY, P.	RESPONSE TO REQUEST FOR NO	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0030	
NONE	06-25-2002	U.S. EPA - SAN FRANCISCO, CA	FURTHER ACTION RECORD OF DECISION, INLAND AREA				30099762 SAI	
CORRESPONDENCE	5090.3.A.	RIVERA, G.				IMAGED		
NONE	NONE	NAVFAC - EFA WEST				CONC_001		
2								
AR_N60036_000786	06-17-2002	RIVERA, G.	TRANSMITTAL OF THE DRAFT AMENDMENT	ADMIN RECORD	AOC 000001	FRC - PERRIS	L181-09-0009 BX 0029	
EFAW SER	06-24-2002	NAVFAC - EFA WEST	TO THE SITE MANAGEMENT PLAN (W/ ENCLOSURE)		BLDG IA-25		30099762 SAI	
052GAR/025	5090.3.A.				SITE 00001	IMAGED		
CORRESPONDENCE	NONE	MULTIPLE AGENCIES			SITE 00002	CONC_002		
NONE					SITE 00003			
13					SITE 00004			
					SITE 00005			
					SITE 00006			
					SITE 00009			
					SITE 00011			
					SITE 00013			
					SITE 00017			
					SITE 00022			
					SITE 00025			
					SITE 00026			
					SITE 00027			
					SITE 00028			
					SITE 00029			
					SITE 00030			
					SWMU 00002			
					SWMU 00005			
					SWMU 00007			
					SWMU 00018			

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.				Location	FRC Accession No.
Record Type	SSIC No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_000838	08-16-2002	RIVERA, G.	TRANSMITTAL OF THE 1) DRAFT FINAL	ADMIN RECORD	AOC 000001	FRC - PERRIS	L181-09-0009 BX 0030
EFAW SER	10-15-2002	NAVFAC - EFA	AMENDMENT TO SITE MANAGEMENT		SITE 00001		30099762 SAI
052GAR/035	5090.3.A.	WEST	PLAN, AND 2) RESPONSES TO COMMENTS		SITE 00002	IMAGED	
CORRESPONDENCE	NONE		ON THE DRAFT AMENDMENT TO SITE		SITE 00003	CONC_002	
NONE		MULTIPLE	MANAGEMENT PLAN (W/ ENCLOSURES)		SITE 00004		
13		AGENCIES			SITE 00005		
					SITE 00006		
					SITE 00009		
					SITE 00011		
					SITE 00013		
					SITE 00017		
					SITE 00022		
					SITE 00025		
					SITE 00026		
					SITE 00027		
					SITE 00028		
					SITE 00029		
					SITE 00030		
					SWMU 00002		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
AR_N60036_000882	10-31-2002	RIVERA, G.	TRANSMITTAL OF THE DRAFT FOCUSED	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0031
EFAW SER	04-07-2003	NAVFAC - EFA	FEASIBILITY STUDY REPORT (ENCLOSURE	INFO REPOSITORY			30099762 SAI
052GAR/049	5090.3.A.	WEST	IS RECORD # 870)			IMAGED	
CORRESPONDENCE	NONE					CONC_001	
NONE		MULTIPLE					
3		AGENCIES					

UIC No. _ Rec. No.	Record Date							
Doc. Control No.	Prc. Date	Author						
Record Type	SSIC No.	Author Affil.						
Contract No.	CTO No.	Recipient						
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000890	11-21-2002	RAMSEY, P.	APPROVAL OF THE REVISED DRAFT FINAL	ADMIN RECORD	AOC 000001	FRC - PERRIS	L181-09-0009 BX 0031	
NONE	04-07-2003	U.S. EPA - SAN	AMENDMENT TO THE SITE MANAGEMENT	INFO REPOSITORY	SITE 00001		30099762 SAI	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	PLAN (W/ ENCLOSURE) [SEE RECORD #		SITE 00002	IMAGED		
NONE	NONE	RIVERA, G.	889 - NAVFAC EFAW TRANSMITTAL LETTER]		SITE 00003	CONC_002		
12		NAVFAC - EFA			SITE 00004			
		WEST			SITE 00006			
					SITE 00009			
					SITE 00011			
					SITE 00013			
					SITE 00017			
					SITE 00022			
					SITE 00025			
					SITE 00026			
					SITE 00027			
					SITE 00028			
					SITE 00029			
					SITE 00030			
					SWMU 00002			
					SWMU 00005			
					SWMU 00007			
					SWMU 00018			
AR_N60036_000891	12-10-2002	MEILLIER, L.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0031	
NONE	04-07-2003	CRWQCB -	FOCUSED FEASIBILITY STUDY REPORT	INFO REPOSITORY			30099762 SAI	
CORRESPONDENCE	5090.3.A.	OAKLAND, CA	(SEE RECORD # 870 - DRAFT FOCUSED	SENSITIVE		IMAGED		
NONE	NONE	RIVERA, G.	FEASIBILITY STUDY REPORT)			CONC_001		
5		NAVFAC - EFA						
		WEST						
AR_N60036_000905	12-27-2002	RAMSEY, P.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0031	
NONE	04-08-2003	U.S. EPA - SAN	FOCUSED FEASIBILITY STUDY REPORT (W/	INFO REPOSITORY			30099762 SAI	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	ENCLOSURES) [SEE RECORD # 870 -			IMAGED		
NONE	NONE	RIVERA, G.	DRAFT FOCUSED FEASIBILITY STUDY			CONC_001		
10		NAVFAC - EFA	REPORT]					
		WEST						

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_001097	09-01-2003		SEPTEMBER 2003 RESTORATION	ADMIN RECORD	"PERCHLORATE	FRC - PERRIS	L181-09-0009	BX 0034
TC-A010-10147	10-07-2004	TETRA TECH EM,	ADVISORY BOARD (RAB) ORIENTATION	BASE	" SEARCH -		30099762	SAI
REPORT	5090.3.A.	INC.	PACKET (SEE RECORD #1098 - NAVFAC	INFO REPOSITORY	ROUND 1	IMAGED		
N68711-00-D-0005	DO 0010	TYAHLA, S.	EFAW TRANSMITTAL LETTER) [DOCUMENT	SENSITIVE	AOC 000001	CONC_002		
215		NAVFAC - EFA	ALSO CONTAINS SENSITIVE STREET		BLDG IA-24			
		WEST	LEVEL MAPS]		BLDG IA-25			
					SITE 00001			
					SITE 00002			
					SITE 00003			
					SITE 00004			
					SITE 00005			
					SITE 00006			
					SITE 00009			
					SITE 00011			
					SITE 00013			
					SITE 00017			
					SITE 00022			
					SITE 00025			
					SITE 00026			
					SITE 00027			
					SITE 00028			
					SITE 00029			
					SITE 00030			
					SITE 00031			
					SWMU 00002			
					SWMU 00005			
					SWMU 00007			
					SWMU 00018			
AR_N60036_000054	10-06-2003	TYAHLA, S.	EXTENSION REQUEST FOR THE	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009	BX 0002
NONE	10-21-2003	NAVFAC - EFA	SUBMITTAL OF FOCUSED FEASIBILITY	IR READY			30099762	SAI
CORRESPONDENCE	5090.3.A.	WEST	STUDY			IMAGED		
NONE	NONE	RAMSEY, P.				CONC_001		
2		U.S. EPA - SAN						
		FRANCISCO, CA						

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_000988	10-14-2003	TYAHLA, S.	TRANSMITTAL OF THE DRAFT FINAL	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0033
EFAW SER	11-18-2003	NAVFAC - EFA	FOCUSED FEASIBILITY STUDY	BASE			30099762 SAI
052AFT/019	5090.3.A.	WEST	(ENCLOSURE IS RECORD # 53)	INFO REPOSITORY		IMAGED	
CORRESPONDENCE	NONE					CONC_001	
NONE		MULTIPLE					
3		AGENCIES					
AR_N60036_001033	11-25-2003	RAMSEY, P.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0033
NONE	02-25-2004	U.S. EPA - SAN	FINAL FOCUSED FEASIBILITY STUDIES	BASE	SITE 00029		30099762 SAI
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	[SEE RECORD # 53 - DRAFT FINAL	INFO REPOSITORY		IMAGED	
NONE	NONE	TYAHLA, S.	FOCUSED FEASIBILITY STUDY-SITE 27,			CONC_001	
2		NAVFAC - EFA	AND RECORD # 67 - DRAFT FINAL				
		WEST	FEASIBILITY STUDY-SITE 29]				
AR_N60036_001036	12-11-2003	MEILLIER, L.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0033
NONE	02-25-2004	CRWQCB -	FINAL FOCUSED FEASIBILITY STUDIES	BASE	SITE 00029		30099762 SAI
CORRESPONDENCE	5090.3.A.	OAKLAND, CA	(SEE RECORD # 53 - DRAFT FINAL	INFO REPOSITORY		IMAGED	
NONE	NONE	TACTAY, T.	FOCUSED FEASIBILITY STUDY, AND	SENSITIVE		CONC_001	
6		NAVFAC - EFA	RECORD # 67 - DRAFT FINAL FEASIBILITY				
		WEST	STUDY)				
AR_N60036_001078	03-11-2004	RAMSEY, P.	APPROVAL OF THE EXTENSION REQUEST	ADMIN RECORD	SITE 00001	FRC - PERRIS	L181-09-0009 BX 0034
NONE	06-01-2004	U.S. EPA - SAN	FOR THE SITE MANAGEMENT PLAN [SEE	BASE	SITE 00002		30099762 SAI
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	RECORD # 1064 - EXTENSION REQUEST]	INFO REPOSITORY	SITE 00009	IMAGED	
NONE	NONE	TYAHLA, S.			SITE 00011	CONC_002	
2		NAVFAC - EFA			SITE 00013		
		WEST			SITE 00017		
					SITE 00022		
					SITE 00027		
					SITE 00029		
					SITE 00030		
AR_N60036_001066	03-15-2004	TYAHLA, S.	TRANSMITTAL OF THE INFORMAL DISPUTE	ADMIN RECORD	"PERCHLORATE	FRC - PERRIS	L181-09-0009 BX 0034
NONE	05-13-2004	NAVFAC - EFA	CONCERNING THE DRAFT FINAL	BASE	" SEARCH -		30099762 SAI
CORRESPONDENCE	5090.3.A.	WEST	SAMPLING AND ANALYSIS PLAN FOR	INFO REPOSITORY	ROUND 1	IMAGED	
NONE	NONE		INVESTIGATION OF ARSENIC IN SOIL AND		SITE 00022	CONC_002	
29		MULTIPLE	PROPOSED SAMPLING AT THE MAGAZINE		SITE 00027		
		AGENCIES	AREA (W/ ENCLOSURES) (INCLUDES LIST		SITE 00029		
			OF ATTENDEES, AGENDA AND				
			ATTACHMENTS)				

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author						
Record Type	SSIC No.	Author Affil.				Location	FRC Accession No.	
Contract No.	CTO No.	Recipient				SWDIV Box No(s)	FRC Warehouse	
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)	
AR_N60036_001067 NONE CORRESPONDENCE NONE 2	03-31-2004 05-13-2004 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA TYAHLA, S. NAVFAC - EFA WEST	REVIEW AND COMMENTS ON THE DRAFT FINAL ADDENDUM 01 AND THE INFORMAL DISPUTE RESOLUTION SUMMARY CONCERNING THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN FOR THE INVESTIGATION OF ARSENIC IN SOIL	ADMIN RECORD BASE INFO REPOSITORY	SITE 00022 SITE 00027 SITE 00029	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0034 30099762 SAI	
AR_N60036_001068 NONE CORRESPONDENCE NONE 2	04-28-2004 05-13-2004 5090.3.A. NONE	TYAHLA, S. NAVFAC - EFA WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	RESPONSES TO COMMENTS ON THE DRAFT FINAL ADDENDUM 01, AND INFORMAL DISPUTE RESOLUTION SUMMARY CONCERNING DRAFT FINAL SAMPLING AND ANALYSIS PLAN FOR THE INVESTIGATION OF ARSENIC IN SOIL (SEE RECORD # 1067 - COMMENTS)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00022 SITE 00027 SITE 00029	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0034 30099762 SAI	
AR_N60036_001069 NONE CORRESPONDENCE NONE 5	04-28-2004 05-13-2004 5090.3.A. NONE	NAVFAC - EFA WEST MULTIPLE AGENCIES	RESPONSES TO COMMENTS ON THE INFORMAL DISPUTE RESOLUTION SUMMARY AND PROPOSED SAMPLING AT THE MAGAZINE AREA	ADMIN RECORD BASE INFO REPOSITORY	"PERCHLORATE " SEARCH - ROUND 1 SITE 00022 SITE 00027 SITE 00029	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0034 30099762 SAI	
AR_N60036_001194 NONE CORRESPONDENCE NONE 13	03-09-2005 04-14-2005 5090.3.A. NONE	GRAY, F. CALIFORNIA DEPARTMENT OF FISH AND GAME - SACRAMENTO, CA PINASCO, J. DTSC - SACRAMENTO, CA	APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS FOR NON- TIDAL AREA SITES	ADMIN RECORD BASE INFO REPOSITORY	SITE 00013 SITE 00017 SITE 00022 SITE 00027 SITE 00029 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0036 30099762 SAI	
AR_N60036_001225 IPTW SER 05/460 CORRESPONDENCE NONE 4	04-01-2005 05-25-2005 5090.3.A. NONE	TYAHLA, S. NAVFAC - IPT WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE SUMMARY RESULTS FOR ARSENIC ANALYSIS (W/ ENCLOSURES)	ADMIN RECORD INFO REPOSITORY SENSITIVE	SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0036 30099762 SAI	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Author Affil.				Location	FRC Accession No.
Contract No.	CTO No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_001200 NONE CORRESPONDENCE NONE 2	04-12-2005 04-14-2005 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA TYAHLA, S. NAVFAC - IPT WEST	REVIEW AND CONCURRENCE WITH THE DRAFT FINAL FEASIBILITY STUDY [SEE RECORD # 53 - DRAFT FINAL FOCUSED FEASIBILITY STUDY]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0036 30099762 SAI
AR_N60036_001220 IPTW SER 05/483 CORRESPONDENCE NONE 7	04-18-2005 05-02-2005 5090.3.A. NONE	TYAHLA, S. NAVFAC - IPT WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	REQUEST FOR AN EXTENSION AND CHANGES IN THE SITE MANAGEMENT PLAN (SEE RECORD # 1253 - REQUESTED REVISIONS AND EXTENSIONS FOR THE SITE MANAGEMENT PLAN SCHEDULE)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00001 SITE 00002 SITE 00009 SITE 00011 SITE 00013 SITE 00017 SITE 00022 SITE 00027 SITE 00029 SITE 00030 SITE 00031	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0036 30099762 SAI
AR_N60036_001250 IPTW SER 05/590 CORRESPONDENCE NONE 3	07-08-2005 07-12-2005 5090.3.A. NONE	TYAHLA, S. NAVFAC - IPT WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT PROPOSED PLAN FOR THE CLEANUP OF THE INSTALLATION RESTORATION PROGRAM SITE (ENCLOSURE IS RECORD #1251)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0037 30099762 SAI
AR_N60036_001267 NONE CORRESPONDENCE NONE 10	08-11-2005 08-23-2005 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA TYAHLA, S. NAVFAC - IPT WEST	REVIEW AND COMMENTS ON THE DRAFT PROPOSED PLAN [SEE RECORD # 1251 - DRAFT PROPOSED PLAN]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0037 30099762 SAI
AR_N60036_000102 NONE CORRESPONDENCE NONE 5	09-01-2005 07-23-2007 5090.3.A. NONE	NAVFAC - SOUTHWEST MULTIPLE AGENCIES	RESPONSES TO COMMENTS ON THE DRAFT SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0003 30099762 SAI

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.						
Approx. # Pages			Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_001316 NONE MINUTES NONE 57	10-05-2005 12-13-2005 5090.3.A. NONE	COSTA, M. ATKINSON - BAKER, INC. NAVFAC - SOUTHWEST DIVISION	05 OCTOBER 2005 REPORTER'S TRANSCRIPT REGARDING PUBLIC COMMENTS ON THE PROPOSED PLAN (DISKETTE COPY ENCLOSED)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0038 30099762 SAI	
AR_N60036_001328 NONE CORRESPONDENCE NONE 2	10-20-2005 01-24-2006 5090.3.A. NONE	HOFFMEISTER, L. CITY OF CONCORD - CONCORD, CA WALLERSTEIN, M. NWS SEAL BEACH - SEAL BEACH, CA	REVIEW AND COMMENTS ON THE PROPOSED CLEANUP PLAN FOR CHLORDANE CONTAMINATION AT THE FORMER TESTING LABORATORY AND BOILER HOUSE (SEE RECORD # 1251 - PROPOSED PLAN)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0038 30099762 SAI	
AR_N60036_001307 NONE CORRESPONDENCE NONE 4	10-26-2005 10-31-2005 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA TYAHLA, S. NAVFAC - IPT WEST	APPROVAL OF THE SITE MANAGEMENT PLAN EXTENSION REQUEST	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0038 30099762 SAI	
AR_N60036_001356 BRAC SER BPMOW.EC/1519 CORRESPONDENCE NONE 2	01-03-2006 03-23-2006 5090.3.A. NONE	HILL, J. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	REQUEST FOR SCHEDULE EXTENSION FOR DRAFT RECORD OF DECISION	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0039 30099762 SAI	
AR_N60036_001377 BRAC SER BPMOW.JTD/0350 CORRESPONDENCE NONE 3	04-11-2006 05-05-2006 5090.3.A. NONE	DUNAWAY, J. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	EXTENSION REQUEST FOR THE SITE MANAGEMENT PLAN FOR RECORD OF DECISION, INLAND AREA	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0040 30099762 SAI	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Author Affil.					
Contract No.	CTO No.	Recipient					
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_001378 NONE CORRESPONDENCE NONE 1	04-17-2006 05-05-2006 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA DUNAWAY, J. BRAC PMO WEST	APPROVAL OF THE EXTENSION REQUEST FOR THE RECORD OF DECISION (SEE RECORD # 1377 - EXTENSION REQUEST)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0040 30099762 SAI
AR_N60036_001418 BRAC SER BPMOW.RCW/0529 CORRESPONDENCE NONE 17	06-15-2006 06-20-2006 5090.3.A. NONE	WEISSENBORN, R. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE SITE MANAGEMENT PLAN FOR INLAND AREA (W/ ENCLOSURE)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00013 SITE 00027 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0040 30099762 SAI
AR_N60036_001428 DS-B111-20132 MINUTES N68711-03-D-5104 35	06-29-2006 07-31-2006 5090.3.A. CTO 0111	HUNTER, C. TETRA TECH EM, INC. RESTORATION ADVISORY BOARD	03 MAY 2006 FINAL RESTORATION ADVISORY BOARD (RAB) MEETING MINUTES (INCLUDES LIST OF ATTENDEES, AGENDA AND VARIOUS HANDOUTS) [DOCUMENT ALSO CONTAINS SENSITIVE STREET LEVEL MAPS]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	"PERCHLORATE " SEARCH - ROUND 1 SITE 00001 SITE 00013 SITE 00022 SITE 00023A SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI
AR_N60036_001448 NONE CORRESPONDENCE NONE 6	07-14-2006 09-28-2006 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA MULTIPLE AGENCIES	REVIEW AND COMMENTS ON THE DRAFT ANNUAL AMENDMENT TO THE SITE MANAGEMENT PLAN [SEE RECORD # 1417 - DRAFT ANNUAL SITE MANAGEMENT PLAN AMENDMENT]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00013 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI
AR_N60036_001457 DS-B111-20821 MINUTES N68711-03-D-5104 33	08-02-2006 10-03-2006 5090.3.A. CTO 0111	TETRA TECH EM, INC. RESTORATION ADVISORY BOARD	02 AUGUST 2006 RESTORATION ADVISORY BOARD (RAB) FINAL MEETING MINUTES (INCLUDES LIST OF ATTENDEES, AGENDA, AND VARIOUS HANDOUTS) [DOCUMENT ALSO CONTAINS SENSITIVE STREET LEVEL MAPS]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	"PERCHLORATE " SEARCH - ROUND 1 BLDG 0000007SH5 SITE 00001 SITE 00002 SITE 00009 SITE 00011 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_001450 BRAC SER BPMOW.WED/0711 CORRESPONDENCE NONE 3	08-14-2006 09-28-2006 5090.3.A. NONE NONE	WEISSENBORN, R. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	FEDERAL FACILITY AGREEMENT SCHEDULE EXTENSION REQUEST FOR THE SITE MANAGEMENT PLAN AMENDMENT	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00013 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI
AR_N60036_001455 NONE CORRESPONDENCE NONE 4	09-18-2006 09-28-2006 5090.3.A. NONE NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA MULTIPLE AGENCIES	REVIEW AND COMMENTS ON THE DRAFT FINAL SITE MANAGEMENT PLAN AMENDMENT [SEE RECORD # 1442 - DRAFT FINAL ANNUAL AMENDMENT]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00013 SITE 00022 SITE 00027 SITE 00031	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI
AR_N60036_001472 BRAC SER BPMOW.RW/0148 CORRESPONDENCE NONE 4	11-21-2006 12-07-2006 5090.3.A. NONE NONE	WEISSENBORN, R. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	RESPONSES TO COMMENTS ON THE DRAFT FINAL SITE MANAGEMENT PLAN, INLAND AREA [SEE RECORD # 1455 - COMMENTS BY U.S. EPA]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00013 SITE 00022 SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0041 30099762 SAI
AR_N60036_001478 BRAC SER BPMOW.LNL/0315 CORRESPONDENCE NONE 2	02-05-2007 02-13-2007 5090.3.A. NONE NONE	WEISSENBORN, R. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	FEDERAL FACILITY AGREEMENT SCHEDULE EXTENSION REQUEST FOR SUBMITTAL OF DRAFT WORK PLAN	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0043 30099762 SAI
AR_N60036_001486 BRAC SER BPMOW.LNL/0440 CORRESPONDENCE NONE 3	03-27-2007 04-25-2007 5090.3.A. NONE NONE	WEISSENBORN, R. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) [ENCLOSURE IS RECORD # 1487]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0043 30099762 SAI

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.	
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse	
						CD No.	FRC Box No(s)	
AR_N60036_000100	04-04-2007		04 APRIL 2007 FINAL RESTORATION	ADMIN RECORD	SITE 00001	FRC - PERRIS	L181-09-0009 BX 0003	
NONE	07-02-2007	NWS CONCORD -	ADVISORY BOARD (RAB) MEETING	BASE	SITE 00002		30099762 SAI	
MINUTES	5090.3.A.	CONCORD, CA	MINUTES (INCLUDES AGENDA,	INFO REPOSITORY	SITE 00003	IMAGED		
NONE	NONE		ATTENDANCE LIST, AND VARIOUS	SENSITIVE	SITE 00004	CONC_001		
27		RESTORATION	HANDOUTS)		SITE 00005			
		ADVISORY BOARD			SITE 00006			
					SITE 00009			
					SITE 00011			
					SITE 00024			
					SITE 00025			
					SITE 00026			
					SITE 00027			
					SITE 00028			
					SITE 00030			
					SITE 00031			
					SITE 00032			
					SITE 00033			
					SITE 00034			
					UST A-16			
					UST A-3A			
					UST E-108			
					UST E-111			
					UST TT-10			
					UST TT-18			
					UST TT-21A			
					UST TT-21B			
					UST TT-21C			

UIC No. _ Rec. No.	Record Date						
Doc. Control No.	Prc. Date	Author					
Record Type	SSIC No.	Author Affil.				Location	FRC Accession No.
Contract No.	CTO No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_000105	05-02-2007						
SULT-5104-0111-0006	08-06-2007	SULTECH	02 MAY 2007 FINAL RESTORATION ADVISORY BOARD (RAB) MEETING MINUTES (INCLUDES LIST OF ATTENDEES, AGENDA, AND VARIOUS HANDOUTS) [DOCUMENT ALSO CONTAINS SENSITIVE STREET LEVEL MAPS]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	"PERCHLORATE" SEARCH - ROUND 1 SITE 00027 SITE 00029 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0004 30099762 SAI
MINUTES N68711-03-D-5104 34	5090.3.A. CTO 0111	RESTORATION ADVISORY BOARD					
AR_N60036_001867	05-14-2007	FRIEDMAN, A.					
NONE	02-05-2009	CRWQCB -	REVIEW AND NO COMMENTS ON THE DRAFT SAMPLING AND ANALYSIS PLAN [FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN] FOR SAMPLING	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
CORRESPONDENCE	5090.3.A.	OAKLAND, CA					
NONE	NONE	NEWTON, D.					
1		BRAC PMO WEST					
AR_N60036_001871	05-23-2007	STANTON, B.					
NONE	02-05-2009	CALIFORNIA	REVIEW AND COMMENTS ON THE DRAFT SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING (SEE RECORD # 1487 - DRAFT SAMPLING AND ANALYSIS PLAN)	ADMIN RECORD BASE INFO REPOSITORY	BLDG IA-20 BLDG IA-36 SITE 00027	NAVFAC - SOUTHWEST	
CORRESPONDENCE	5090.3.A.	DEPARTMENT OF					
NONE	NONE	FISH AND GAME -					
3		SACRAMENTO, CA					
AR_N60036_001850	06-05-2007	RAMSEY, P.					
NONE	02-05-2009	U.S. EPA - SAN	REVIEW AND COMMENTS ON THE DRAFT SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING (SEE RECORD # 1487 - DRAFT SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA					
NONE	NONE	LANDERS, L.					
1		BRAC PMO WEST					

UIC No. _ Rec. No.	Record Date						
Doc. Control No.	Prc. Date	Author					
Record Type	SSIC No.	Author Affil.				Location	FRC Accession No.
Contract No.	CTO No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Approx. # Pages		Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_000160	07-01-2007		FACT SHEET: ENVIRONMENTAL	ADMIN RECORD	BLDG IA-20	FRC - PERRIS	L181-09-0009 BX 0007
NONE	10-26-2007	BRAC PMO WEST	RESTORATION PROGRAM - ACTIVITIES IN	BASE	BLDG IA-25		30099762 SAI
FACT SHEET	5090.3.A.		THE INLAND AREA	INFO REPOSITORY	SITE 00013	IMAGED	
NONE	NONE	MULTIPLE			SITE 00014	CONC_001	
12		AGENCIES			SITE 00015		
					SITE 00016		
					SITE 00017		
					SITE 00018		
					SITE 00019		
					SITE 00020		
					SITE 00021		
					SITE 00022		
					SITE 00022A		
					SITE 00023A		
					SITE 00023B		
					SITE 00024A		
					SITE 00024B		
					SITE 00027		
					SITE 00029		
					SWMU 00002		
					SWMU 00003		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
					SWMU 0018D		
AR_N60036_001853	07-17-2007	RAMSEY, P.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00013	NAVFAC -	
NONE	02-05-2009	U.S. EPA - SAN	INLAND AREA AMENDED SITE	BASE	SITE 00022	SOUTHWEST	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	MANAGEMENT PLAN FISCAL YEAR 2008	INFO REPOSITORY	SITE 00022A		
NONE	NONE	NEWTON, D.	UPDATE [SEE RECORD # 120 - DRAFT		SITE 00027		
6		BRAC PMO WEST	INLAND AREA AMENDED SITE		SITE 00029		
			MANAGEMENT PLAN FISCAL YEAR 2008				
			UPDATE]				

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.	
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse	
						CD No.	FRC Box No(s)	
AR_N60036_001498	07-23-2007	NEWTON, D.	TRANSMITTAL OF THE DRAFT FINAL	ADMIN RECORD	BLDG IA-20	FRC - PERRIS	L181-09-0009 BX 0043	
BRAC SER	08-22-2007	BRAC PMO WEST	SAMPLING AND ANALYSIS PLAN (FIELD	BASE	BLDG IA-36		30099762 SAI	
BPMOW.LNL/0703	5090.3.A.	RAMSEY, P.	SAMPLING PLAN/QUALITY ASSURANCE	INFO REPOSITORY	SITE 00027	IMAGED		
CORRESPONDENCE	NONE	U.S. EPA - SAN	PROJECT PLAN) [ENCLOSURE IS RECORD			CONC_001		
NONE		FRANCISCO, CA	# 1499]					
3								

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_000145	08-01-2007	BENNETT, J.	FINAL PRELIMINARY ASSESSMENT,	ADMIN RECORD	"PERCHLORATE	FRC - PERRIS	L181-09-0009 BX 0005	
NONE	10-02-2007	MALCOLM PIRNIE,	MILITARY MUNITIONS RESPONSE	BASE	" SEARCH -		30099762 SAI BX 0006	
REPORT	5090.3.A.	INC.	PROGRAM (INCLUDES CD COPY OF	INFO REPOSITORY	ROUND 1	IMAGED		
N62472-02-D-1300	NONE	NAVFAC -	APPENDIX B AND PRELIMINARY	SENSITIVE	BLDG	CONC_002		
7259		SOUTHWEST	RESPONSES TO COMMENTS ON THE		0000007SH14			
			DRAFT FINAL PRELIMINARY MILITARY		BLDG 0000079			
			MUNITIONS RESPONSE)		BLDG 0000081			
					BLDG 0000082			
					BLDG 0000083			
					BLDG 0000086			
					BLDG 0000087			
					BLDG 0000088			
					BLDG 0000089			
					BLDG 0000093			
					BLDG 0000097			
					BLDG 0000114			
					BLDG 0000174			
					BLDG 0000178			
					BLDG 0000185			
					BLDG 0000186			
					BLDG 0000193			
					BLDG 0000252			
					BLDG 0000269			
					BLDG 0000351			
					BLDG 0000395			
					BLDG 0000398			
					BLDG 0000433			
					BLDG A-29			
					BLDG E-108			
					BLDG E-85			
					BLDG IA-10			
					BLDG IA-11			
					BLDG IA-12			
					BLDG IA-15			
					BLDG IA-16			
					BLDG IA-17			

UIC No. _ Rec. No.	Record Date								
Doc. Control No.	Prc. Date	Author							
Record Type	SSIC No.	Author Affil.							
Contract No.	CTO No.	Recipient							
Approx. # Pages	Recipient Affil.		Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)		
					SITE 00013				
					SITE 00014				
					SITE 00016				
					SITE 00017				
					SITE 00019				
					SITE 00021				
					SITE 00022				
					SITE 00023A				
					SITE 00023B				
					SITE 00024A				
					SITE 00024B				
					SITE 00025				
					SITE 00026				
					SITE 00027				
					SITE 00029				
					SWMU 00001				
					SWMU 00002				
					SWMU 00005				
					SWMU 00007				
					SWMU 00008				
					SWMU 00012				
					SWMU 00013				
					SWMU 00014				
					SWMU 00015				
					SWMU 00016				
					SWMU 00017				
					SWMU 00018				
					SWMU 00020				
					SWMU 00022				
					SWMU 00023				
					SWMU 00024				
					SWMU 00026				
					SWMU 00030				
					SWMU 00033				
					SWMU 00037				

UIC No. _ Rec. No.	Record Date							
Doc. Control No.	Prc. Date	Author						
Record Type	SSIC No.	Author Affil.						
Contract No.	CTO No.	Recipient						
Approx. # Pages	Recipient Affil.		Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
					SWMU 00040			
					SWMU 00044			
					SWMU 00046			
					SWMU 00050			
					SWMU 00051			
					SWMU 00052			
					SWMU 00053			
					SWMU 00054			
					UST 0000001			
					UST 0000002			
					UST 0000003			
					UST 0000004			
					UST 0000350A			
					UST 0000350B			
					WELL 00001			
					WELL 00002			
					WELL 00003			
					WELL 00004			
					WELL 00005			
					WELL 00006			
					WELL 00007			
					WELL 00008			
					WELL 00009			
					WELL 00010			
					WELL 00011			
					WELL 00014			
					WELL 00178-5			
					WELL FTW-1			
					WELL FTW-2			
					WELL FTW-3			
					WELL FTW-4			
					WELL FTW-5			
					WELL IA-17			
					WELL RDW-01			
					WELL RDW-02			

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
					WELL RDW-03 WELL RDW-04 WELL RDW-05 WELL RDW-06 WELL RDW-07 WELL TLW-01 WELL TLW-02 WELL TLW-03 WELL TLW-04 WELL TLW-05 WELL TLW-06 WELL TLW-07 WELL UC-01 WELL UC-02 WELL UC-03 WELL UC-04 WELL UC-05 WELL WHW-01 WELL WHW-02 WELL WHW-03 WELL WHW-04			
AR_N60036_001499 TTEM-0055-FZN3-0027 AND TTEM-0055-FZN3-0027.R1 REPORT N62467-04-D-0055 138	08-27-2007 08-22-2007 5090.3.A. CTO FZN3	HOCH, K. TETRA TECH EM, INC. BRAC PMO WEST	FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING (INCLUDES REPLACEMENT PAGES CONVERTING DRAFT FINAL DATED 26 JULY 2007 TO FINAL, AND CD COPY)	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	BLDG IA-20 BLDG IA-36 SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0043 30099762 SAI	
AR_N60036_001620 BRAC SER BPMOW.LNL/0809 CORRESPONDENCE NONE 4	09-04-2007 04-09-2008 5090.3.A. NONE	NEWTON, D. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE REPLACEMENT PAGES CONVERTING THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING DATED 27 JULY 2007 TO FINAL (ENCLOSURE IS RECORD # 1499)	ADMIN RECORD BASE INFO REPOSITORY	BLDG IA-20 BLDG IA-36 SITE 00027	FRC - PERRIS IMAGED CONC_001	L181-09-0009 BX 0047 30099762 SAI	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_000177 NONE CORRESPONDENCE NONE 1	09-05-2007 11-04-2008 5090.3.A. NONE	FRIEDMAN, A. CRWQCB - OAKLAND, CA NEWTON, D. BRAC PMO WEST	REVIEW AND NO COMMENTS ON THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING [SEE RECORD # 1499 - FINAL SAMPLING AND ANALYSIS PLAN]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001503 SULT-5104-0111- 0010 MINUTES NONE 37	09-05-2007 12-26-2007 5090.3.A. NONE	SULTECH NAVFAC - SOUTHWEST	05 SEPTEMBER 2007 FINAL RESTORATION ADVISORY BOARD (RAB) INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM MEETING MINUTES (INCLUDES ATTENDANCE LIST, AGENDA, AND VARIOUS HANDOUTS)	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00022 SITE 00023A SITE 00027 SITE 00029	FRC - PERRIS IMAGED CONC_002	L181-09-0009 BX 0043 30099762 SAI
AR_N60036_000196 NONE CORRESPONDENCE NONE 7	09-10-2007 11-04-2008 5090.3.A. NONE	PINASCO, J. DTSC - SACRAMENTO, CA LANDERS, L. BRAC PMO WEST	REVIEW AND COMMENTS ON THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING [INCLUDES DFG COMMENTS DATED 10 SEPTEMBER 2007]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_000197 NONE CORRESPONDENCE NONE 2	09-12-2007 11-04-2008 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA LANDERS, L. BRAC PMO WEST	REVIEW AND COMMENTS ON THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING [SEE RECORD # 1499 - FINAL SAMPLING AND ANALYSIS PLAN]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001854 NONE CORRESPONDENCE NONE 3	09-12-2007 02-05-2009 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA LANDERS, L. BRAC PMO WEST	REVIEW AND NO FURTHER COMMENTS ON THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING [SEE RECORD # 1499 - FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN)]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001877 NONE CORRESPONDENCE NONE 7	09-24-2007 02-05-2009 5090.3.A. NONE	PINASCO, J. DTSC - SACRAMENTO, CA LANDERS, L. BRAC PMO WEST	REVIEW AND COMMENTS ON THE DRAFT FINAL SAMPLING AND ANALYSIS PLAN (FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN) FOR SAMPLING (INCLUDES CALIFORNIA DEPARTMENT OF FISH AND GAME COMMENTS DATED 10 SEPTEMBER 2007)	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	SITE 00027	NAVFAC - SOUTHWEST	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.					
Approx. # Pages			Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_001597	10-09-2007	NEWTON, D.	TRANSMITTAL OF THE FINAL INLAND AREA	ADMIN RECORD	"PERCHLORATE	FRC - PERRIS	L181-09-0009 BX 0046
BRAC SER	03-06-2008	BRAC PMO WEST	AMENDED SITE MANAGEMENT PLAN	BASE	" SEARCH -		30099762 SAI
BPMOW.DN/0021	5090.3.A.	RAMSEY, P.	FISCAL YEAR 2008 UPDATE (W/	INFO REPOSITORY	ROUND 1	IMAGED	
CORRESPONDENCE	NONE	U.S. EPA - SAN	ENCLOSURE) [CD COPY ENCLOSED] (SEE	SENSITIVE	SITE 00013	CONC_003	
NONE		FRANCISCO, CA	RECORD # 1418 - SITE MANAGEMENT PLAN		SITE 00022		
18			FOR INLAND AREA)		SITE 00022A		
					SITE 00027		
					SITE 00029		
					SWMU 00002		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
AR_N60036_000218	02-05-2008	NEWTON, D.	FEDERAL FACILITY AGREEMENT	ADMIN RECORD	SITE 00027	NAVFAC -	
BRAC SER	11-04-2008	BRAC PMO WEST	EXTENSION REQUEST FOR THE REMEDIAL	BASE		SOUTHWEST	
BPMOW.LNL/0239	5090.3.A.	RAMSEY, P.	INVESTIGATION REPORT ADDENDUM	INFO REPOSITORY			
CORRESPONDENCE	NONE	U.S. EPA - SAN					
NONE		FRANCISCO, CA					
2							
AR_N60036_001609	02-05-2008	NEWTON, D.	REQUEST FOR FEDERAL FACILITY	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009 BX 0047
BRAC SER	03-31-2008	BRAC PMO WEST	AGREEMENT SCHEDULE EXTENSION FOR	BASE			30099762 SAI
BPMOW.LNL/0239	5090.3.A.	RAMSEY, P.	PRIMARY DOCUMENT, DRAFT REMEDIAL	INFO REPOSITORY		IMAGED	
CORRESPONDENCE	NONE	U.S. EPA - SAN	INVESTIGATION REPORT ADDENDUM	SENSITIVE		CONC_003	
NONE		FRANCISCO, CA					
2							
AR_N60036_001634	02-06-2008		06 FEBRUARY 2008 FINAL RESTORATION	ADMIN RECORD	SITE 00022	FRC - PERRIS	L181-09-0009 BX 0049
TTEM.0055-FZN3-	05-05-2008	TETRA TECH EM,	ADVISORY BOARD (RAB) MEETING	BASE	SITE 00022A		30099762 SAI
0055	5090.3.A.	INC.	MINUTES, INLAND AREA ENVIRONMENTAL	INFO REPOSITORY	SITE 00027	IMAGED	
MINUTES	CTO FZN3		RESTORATION PROGRAM (CD COPY		SWMU 00002	CONC_003	
N62467-04-D-0055		NAVFAC -	ENCLOSED) (INCLUDES LIST OF		SWMU 00005		
37		SOUTHWEST	ATTENDEES, FINAL AGENDA, AND		SWMU 00007		
			VARIOUS HANDOUTS)		SWMU 00018		

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_001652	04-02-2008							
TTEM-0055-FZN3-0057	07-16-2008	TETRA TECH EM, INC.	02 APRIL 2008 FINAL MEETING MINUTES, RESTORATION ADVISORY BOARD (RAB), INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM (INCLUDES LIST OF ATTENDEES, AGENDA, RPM UPDATE, AND VARIOUS HANDOUTS) [CD COPY ENCLOSED]	ADMIN RECORD INFO REPOSITORY SENSITIVE	BLDG IA-20 BLDG IA-25 SITE 00022 SITE 00023A SITE 00027 SITE 00029 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	FRC - PERRIS IMAGED CONC_003	L181-09-0009 BX 0049 30099762 SAI	
MINUTES N62467-04-D-0055 25	5090.3.A. CTO FZN3	RESTORATION ADVISORY BOARD						
AR_N60036_001822	06-04-2008							
TTEM-0055-FZN3-0059	08-22-2008	TETRA TECH EM, INC.	04 JUNE 2008 FINAL MEETING MINUTES, RESTORATION ADVISORY BOARD (RAB), INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM (INCLUDES LIST OF ATTENDEES, AGENDA, VARIOUS HANDOUTS, AND CD COPY)	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	BLDG IA-20 BLDG IA-25 BLDG IA-36 SITE 00001 SITE 00022 SITE 00022A SITE 00024A SITE 00027 SITE 00029	FRC - PERRIS IMAGED CONC_003	L181-09-0009 BX 0053 30099762 SAI	
MINUTES N62467-04-D-0055 31	5090.3.A. CTO FZN3	RESTORATION ADVISORY BOARD						
AR_N60036_000107	06-15-2008							
BRAC SER	10-29-2008	NEWTON, D. BRAC PMO WEST	TRANSMITTAL OF THE INTERNAL WORKING DRAFT AMENDMENT TO THE SITE MANAGEMENT PLAN SCHEDULE, INLAND AREA SITES (ENCLOSURE IS RECORD # 132)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027 SITE 00029 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	NAVFAC - SOUTHWEST		
BPMOW.DN/0507	5090.3.A.	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA						
CORRESPONDENCE NONE 2	NONE							
AR_N60036_000239	06-17-2008							
BRAC SER	11-04-2008	NEWTON, D. BRAC PMO WEST	LETTER OF NOTIFICATION ON PREPARING TO CONDUCT A TIME-CRITICAL REMOVAL ACTION (TCRA)	ADMIN RECORD BASE INFO REPOSITORY	BLDG IA-20 BLDG IA-36 SITE 00027	NAVFAC - SOUTHWEST		
BPMOW.LNL/0516	5090.3.A.	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA						
CORRESPONDENCE NONE 2	NONE							

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_001859	07-15-2008	RAMSEY, P.	REVIEW AND COMMENTS ON THE	ADMIN RECORD	SITE 00013	NAVFAC -		
NONE	02-05-2009	U.S. EPA - SAN	INTERNAL WORKING DRAFT AMENDMENT	BASE	SITE 00027	SOUTHWEST		
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	TO THE SITE MANAGEMENT PLAN	INFO REPOSITORY	SITE 00029			
NONE	NONE	NEWTON, D.	SCHEDULE, INLAND AREA SITES [SEE		SWMU 00002			
3		BRAC PMO WEST	RECORD # 132 - INTERNAL WORKING		SWMU 00005			
			DRAFT AMENDMENT TO THE SITE		SWMU 00007			
			MANAGEMENT PLAN SCHEDULE, INLAND		SWMU 00018			
			AREA SITES]					
AR_N60036_001810	07-25-2008	NEWTON, D.	TRANSMITTAL OF THE DRAFT REMOVAL	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009	BX 0053
BRAC SER	07-29-2008	BRAC PMO WEST	ACTION WORK PLAN FOR TIME CRITICAL	BASE			30099762 SAI	
BPMOW.LNL/0602	5090.3.A.	RAMSEY, P.	REMOVAL ACTION , INLAND AREA	INFO REPOSITORY		IMAGED		
CORRESPONDENCE	NONE	U.S. EPA - SAN	(ENCLOSURE IS RECORD # 1811)			CONC_003		
NONE		FRANCISCO, CA						
3								
AR_N60036_001812	07-25-2008	NEWTON, D.	TRANSMITTAL OF THE DRAFT ACTION	ADMIN RECORD	SITE 00027	FRC - PERRIS	L181-09-0009	BX 0053
BRAC SER	07-29-2008	BRAC PMO WEST	MEMORANDUM FOR TIME CRITICAL	BASE			30099762 SAI	
BPMOW.LNL/0603	5090.3.A.	RAMSEY, P.	ACTION, INLAND AREA (ENCLOSURE IS	INFO REPOSITORY		IMAGED		
CORRESPONDENCE	NONE	U.S. EPA - SAN	RECORD # 1813)			CONC_003		
NONE		FRANCISCO, CA						
3								
AR_N60036_000252	08-03-2008	BIRSAN, E.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00027	NAVFAC -		
NONE	11-04-2008	RESTORATION	ACTION MEMORANDUM FOR TIME	BASE		SOUTHWEST		
CORRESPONDENCE	5090.3.A.	ADVISORY	CRITICAL REMOVAL ACTION, INLAND AREA	INFO REPOSITORY				
NONE	NONE	BOARD MEMBER	(SEE RECORD # 1813 - DRAFT ACTION					
3		RAMSEY, P.	MEMORANDUM FOR TIME CRITICAL					
		U.S. EPA - SAN	REMOVAL ACTION)					
		FRANCISCO, CA						
AR_N60036_000253	08-08-2008	FRIEDMAN, A.	REVIEW AND NO COMMENTS ON THE	ADMIN RECORD	SITE 00027	NAVFAC -		
NONE	11-04-2008	CRWQCB -	DRAFT ACTION MEMORANDUM FOR TIME	BASE		SOUTHWEST		
CORRESPONDENCE	5090.3.A.	OAKLAND, CA	CRITICAL REMOVAL ACTION, INLAND AREA	INFO REPOSITORY				
NONE	NONE		[SEE RECORD # 1813 - DRAFT ACTION					
1		MULTIPLE	MEMORANDUM FOR TIME CRITICAL					
		AGENCIES	REMOVAL ACTION]					

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_000271 NONE CORRESPONDENCE NONE 5	08-08-2008 11-04-2008 5090.3.A. NONE	RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA LANDERS, L. BRAC PMO WEST	REVIEW AND COMMENTS ON THE 1) DRAFT REMOVAL ACTION WORK PLAN FOR TIME CRITICAL REMOVAL ACTION, INLAND AREA, AND 2) DRAFT ACTION MEMORANDUM FOR TIME CRITICAL REMOVAL ACTION, INLAND AREA	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_000270 NONE CORRESPONDENCE NONE 6	08-11-2008 11-04-2008 5090.3.A. NONE	STANTON, B. CALIFORNIA DEPARTMENT OF FISH AND GAME - SACRAMENTO, CA PINASCO, J. DTSC - SACRAMENTO, CA	REVIEW AND COMMENTS ON THE 1) DRAFT REMOVAL ACTION WORK PLAN FOR TIME CRITICAL REMOVAL ACTION, INLAND AREA; AND 2) DRAFT ACTION MEMORANDUM FOR TIME CRITICAL REMOVAL ACTION, INLAND AREA	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_000169 BRAC SER BPMOW.DN/0837 CORRESPONDENCE NONE 2	09-12-2008 10-29-2008 5090.3.A. NONE	NEWTON, D. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE FINAL AMENDMENT TO THE SITE MANAGEMENT PLAN SCHEDULE, INLAND AREA SITES (ENCLOSURE IS RECORD # 175)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_000175 SULT-5104-0147- 0085 REPORT N68711-03-D-5104 10	09-15-2008 10-29-2008 5090.3.A. CTO 0147	SULTECH BRAC PMO WEST	FINAL AMENDMENT TO THE SITE MANAGEMENT PLAN SCHEDULE, INLAND AREA SITES (CD COPY ENCLOSED) [SEE RECORD # 169 - BRAC PMO WEST TRANSMITTAL LETTER]	ADMIN RECORD BASE INFO REPOSITORY	SITE 00013 SITE 00022 SITE 00022A SITE 00027 SITE 00029 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	NAVFAC - SOUTHWEST	
AR_N60036_001842 TTEM-0055-FZN3- 0075 REPORT N62467-04-D-0055 240	10-01-2008 12-12-2008 5090.3.A. CTO FZN3	ONO, Y. TETRA TECH EM, INC. BRAC PMO WEST	FINAL ACCIDENT PREVENTION PLAN TIME- CRITICAL REMOVAL ACTION, INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 1843 - FINAL HEALTH AND SAFETY PLAN]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_001843 TTEM-0055-FZN3-0077 REPORT N62467-04-D-0055 177	10-01-2008 12-12-2008 5090.3.A. CTO FZN3	TETRA TECH EM, INC. BRAC PMO WEST	FINAL HEALTH AND SAFETY PLAN FOR TIME-CRITICAL REMOVAL ACTION, INLAND AREA (CD COPY ENCLOSED)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001916 TTEM-0055-FZN3-0063 MINUTES N62467-04-D-0055 31	10-01-2008 07-08-2009 5090.3.A. CTO FZN3	TETRA TECH EM, INC. RESTORATION ADVISORY BOARD	01 OCTOBER 2008 FINAL MEETING MINUTES RESTORATION ADVISORY BOARD (RAB) INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM (INCLUDES LIST OF ATTENDEES, AGENDA, VARIOUS HANDOUTS, AND CD COPY) (DOCUMENT ALSO CONTAINS SENSITIVE STREET LEVEL MAPS]	ADMIN RECORD BASE INFO REPOSITORY SENSITIVE	BLDG IA-20 BLDG IA-27 BLDG IA-36 SITE 00022A SITE 00023A SITE 00024A SITE 00027 SWMU 00002 SWMU 00005 SWMU 00007 SWMU 00018	NAVFAC - SOUTHWEST	
AR_N60036_001849 TTEM-0055-FZN3-0073 REPORT N62467-04-D-0055 200	10-03-2008 02-04-2009 5090.3.A. CTO FZN3	ONO, Y. TETRA TECH EM, INC. BRAC PMO WEST	FINAL REMOVAL ACTION WORK PLAN FOR TIME-CRITICAL REMOVAL ACTION, INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 1899 - BRAC PMO WEST TRANSMITTAL LETTER]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001899 BRAC SER BPMOW.CLP/0883 CORRESPONDENCE NONE 2	10-03-2008 03-30-2009 5090.3.A. NONE	NEWTON, D. BRAC PMO WEST RAMSEY, P. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE 1) FINAL ACTION MEMORANDUM FOR TIME-CRITICAL REMOVAL ACTION, INLAND AREA, AND 2) FINAL REMOVAL ACTION WORK PLAN FOR TIME-CRITICAL REMOVAL ACTION, INLAND AREA (ENCLOSURE 1 IS RECORD # 1900, AND ENCLOSURE 2 IS RECORD # 1849)	ADMIN RECORD BASE INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_001900 TTEM-0055-FZN3-0070 REPORT N62467-04-D-0055 2895	10-03-2008 03-30-2009 5090.3.A. CTO FZN3	TETRA TECH EM, INC. BRAC PMO WEST	FINAL ACTION MEMORANDUM FOR TIME- CRITICAL REMOVAL ACTION, INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 1899 - BRAC PMO WEST TRANSMITTAL LETTER]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.				Location	FRC Accession No.
Record Type	SSIC No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_001917	02-04-2009		04 FEBRUARY 2009 FINAL MEETING	ADMIN RECORD	SITE 00013	NAVFAC -	
TTEM-0055-FZN3-	07-08-2009	TETRA TECH EM,	MINUTES RESTORATION ADVISORY	BASE	SITE 00022	SOUTHWEST	
0064	5090.3.A.	INC.	BOARD (RAB) INLAND AREA	INFO REPOSITORY	SITE 00022A		
MINUTES	CTO FZN3		ENVIRONMENTAL RESTORATION	SENSITIVE	SITE 00023A		
N62467-04-D-0055		RESTORATION	PROGRAM (INCLUDES LIST OF		SITE 00027		
33		ADVISORY BOARD	ATTENDEES, AGENDA, VARIOUS		SITE 00029		
			HANDOUTS, AND CD COPY)		SWMU 00002		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
AR_N60036_001929	05-20-2009	BATTAGLIA, L.	TRANSMITTAL OF THE FINAL	ADMIN RECORD	SITE 00027	NAVFAC -	
NONE	07-29-2009	BRAC PMO WEST	RADIOLOGICAL SUPPORT WORK	BASE		SOUTHWEST	
CORRESPONDENCE	5090.3.A.		INSTRUCTION (ENCLOSURE IS RECORD #	INFO REPOSITORY			
NONE	NONE	MULTIPLE	1930)				
1		AGENCIES					
AR_N60036_001930	05-20-2009	CANEPA, J.	FINAL RADIOLOGICAL SUPPORT WORK	ADMIN RECORD	BLDG IA-20	NAVFAC -	
TTEM-0055-FZN3-	07-29-2009	TETRA TECH EM,	INSTRUCTION (CD COPY ENCLOSED) [SEE	BASE	BLDG IA-36	SOUTHWEST	
0083	5090.3.A.	INC.	RECORD # 1929 - BRAC PMO WEST	INFO REPOSITORY	SITE 00027		
REPORT	CTO FZN3		TRANSMITTAL LETTER]	SENSITIVE			
N62467-04-D-0055		BRAC PMO WEST					
65							
AR_N60036_001956	06-03-2009		03 JUNE 2009 FINAL RESTORATION	ADMIN RECORD	SITE 00022	NAVFAC -	
TTEM-0055-FZN3-	09-08-2009	TETRA TECH EM,	ADVISORY BOARD (RAB) MEETING	BASE	SITE 00027	SOUTHWEST	
0090	5090.3.A.	INC.	MINUTES, INLAND AREA ENVIRONMENTAL	INFO REPOSITORY	SWMU 00002		
MINUTES	CTO FZN3		RESTORATION PROGRAM (INCLUDES LIST	SENSITIVE	SWMU 00005		
N62467-04-D-0055		RESTORATION	OF ATTENDEES, AGENDA, VARIOUS		SWMU 00007		
52		ADVISORY BOARD	HANDOUTS, AND CD COPY) [DOCUMENT		SWMU 00018		
			ALSO CONTAINS SENSITIVE STREET				
			LEVEL MAPS]				
AR_N60036_001921	06-15-2009	HILL, J.	TRANSMITTAL OF THE DRAFT AMENDMENT	ADMIN RECORD	SITE 00022A	NAVFAC -	
BRAC SER	07-08-2009	BRAC PMO WEST	TO THE SITE MANAGEMENT PLAN	BASE	SITE 00027	SOUTHWEST	
BPMOW.LKB/0367	5090.3.A.	RAMSEY, P.	SCHEDULE, INLAND AREA SITES	INFO REPOSITORY	SITE 00029		
CORRESPONDENCE	NONE	U.S. EPA - SAN	(ENCLOSURE IS RECORD # 1922)		SWMU 00002		
NONE		FRANCISCO, CA			SWMU 00005		
2					SWMU 00007		
					SWMU 00018		

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse
						CD No.	FRC Box No(s)
AR_N60036_002168	07-16-2009	RAMSEY, P.	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	SITE 00013	NAVFAC -	
NONE	08-17-2011	U.S. EPA - SAN	AMENDMENT TO THE SITE MANAGEMENT		SITE 00022	SOUTHWEST	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	PLAN SCHEDULE - INLAND AREA SITES		SITE 00022A		
NONE	NONE	STEWART, K.	(SEE RECORD # 1922 - DRAFT AMENDMENT		SITE 00027		
3		BRAC PMO WEST	TO THE SITE MANAGEMENT PLAN		SITE 00029		
			SCHEDULE - INLAND AREA SITES)				
AR_N60036_001989	08-05-2009		05 AUGUST 2009 FINAL RESTORATION	ADMIN RECORD	IA 0000025	NAVFAC -	
TTEM-0055-FZN3-	03-23-2010	TETRA TECH EM,	ADVISORY BOARD (RAB) MEETING	BASE	SITE 00022	SOUTHWEST	
0094	5090.3.A.	INC.	MINUTES, INLAND AREA ENVIRONMENTAL	INFO REPOSITORY	SITE 00027		
MINUTES	CTO FZN3		RESTORATION PROGRAM (INCLUDES LIST	SENSITIVE			
N62467-04-D-0055		RESTORATION	OF ATTENDEES, AGENDA, VARIOUS				
49		ADVISORY BOARD	HANDOUTS, AND CD COPY)				
AR_N60036_001955	08-14-2009	STEWART, K.	TRANSMITTAL OF THE DRAFT FINAL	ADMIN RECORD	SITE 00013	NAVFAC -	
BRAC SER	09-08-2009	BRAC PMO WEST	INLAND AREA AMENDED SITE	BASE	SITE 00022	SOUTHWEST	
BPMOW.CLP/0566	5090.3.A.	RAMSEY, P.	MANAGEMENT PLAN FISCAL YEAR 2010	INFO REPOSITORY	SITE 00027		
CORRESPONDENCE	NONE	U.S. EPA - SAN	UPDATE (W/ ENCLOSURE)		SITE 00029		
NONE		FRANCISCO, CA			SWMU 00002		
17					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
AR_N60036_002170	10-02-2009	RAMSEY, P.	REVIEW AND COMMENTS ON THE 1)	ADMIN RECORD	BLDG 0000081	NAVFAC -	
NONE	08-17-2011	U.S. EPA - SAN	DRAFT WORK PLAN FOR PRELIMINARY		BLDG 0000087	SOUTHWEST	
CORRESPONDENCE	5090.3.A.	FRANCISCO, CA	ASSESSMENT/SITE INSPECTION AT AREAS		BLDG 0000093		
NONE	NONE	STEWART, K.	OF POTENTIAL INTEREST; AND 2) LETTER		BLDG 0000097		
12		BRAC PMO WEST	ON THE NAVY'S EVALUATION OF VARIOUS		BLDG IA-20		
			BUILDINGS		BLDG IA-25		
					BLDG IA-27		
					SITE 00023A		
					SITE 00027		
					SITE 00029		

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.				Location	FRC Accession No.
Record Type	SSIC No.	Recipient				SWDIV Box No(s)	FRC Warehouse
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	CD No.	FRC Box No(s)
AR_N60036_002025	06-15-2010	STEWART, K.	TRANSMITTAL OF THE DRAFT INLAND	ADMIN RECORD	SITE 00013	NAVFAC -	
BRAC SER	06-16-2010	BRAC PMO WEST	AREA AMENDED SITE MANAGEMENT PLAN	INFO REPOSITORY	SITE 00027	SOUTHWEST	
BPMOW.SAM/0570	5090.3.A.	GARVEY, M.	FISCAL YEAR 2011 UPDATE (W/		SITE 00029		
CORRESPONDENCE	NONE	U.S. EPA - SAN	ENCLOSURE)				
NONE		FRANCISCO, CA					
20							
AR_N60036_002076	08-04-2010		4 AUGUST 2010 FINAL RESTORATION	ADMIN RECORD	BLDG IA-12	NAVFAC -	
CHAD-3213-0077-	11-24-2010	CHADUX TT,	ADVISORY BOARD (RAB) ENVIRONMENTAL	INFO REPOSITORY	BLDG IA-15	SOUTHWEST	
0010	5090.3.A.	JOINT VENTURE	RESTORATION PROGRAM MEETING	SENSITIVE	BLDG IA-16		
MINUTES	CTO 0077		MINUTES, INLAND AREA [INCLUDES		BLDG IA-51		
N62473-07-D-3213		RESTORATION	ATTENDEES LIST, AGENDA, 4 AUGUST		BLDG IA-7		
39		ADVISORY BOARD	2010 REMEDIAL PROJECT MANAGERS		SITE 00022		
			(RPM) UPDATE, VARIOUS HANDOUTS, AND		SITE 00022A		
			CD COPY]		SITE 00024A		
					SITE 00027		
					SITE 00029		
					SWMU 00002		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		
AR_N60036_002046	08-13-2010	STEWART, K.	TRANSMITTAL OF THE DRAFT FINAL	ADMIN RECORD	SITE 00013	NAVFAC -	
BRAC SER	09-01-2010	BRAC PMO WEST	AMENDMENT TO THE SITE MANAGEMENT	INFO REPOSITORY	SITE 00022	SOUTHWEST	
BPMOW.JAC/0701	5090.3.A.	GARVEY, M.	PLAN SCHEDULE, INLAND AREA SITES (W/		SITE 00022A		
CORRESPONDENCE	NONE	U.S. EPA - SAN	ENCLOSURE)		SITE 00024A		
NONE		FRANCISCO, CA			SITE 00027		
24					SITE 00029		
					SWMU 00002		
					SWMU 00005		
					SWMU 00007		
					SWMU 00018		

UIC No. _ Rec. No.	Record Date	Author					
Doc. Control No.	Prc. Date	Author Affil.					
Record Type	SSIC No.	Recipient					
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_002147 NONE CORRESPONDENCE NONE 2	09-30-2010 05-20-2011 5090.3.A. NONE	GARVEY, M. U.S. EPA - SAN FRANCISCO, CA CLAMOR, B. NAVFAC - SOUTHWEST	REVIEW AND NO COMMENTS ON THE DRAFT REMOVAL ACTION COMPLETION SUMMARY REPORT FOR TIME-CRITICAL REMOVAL ACTION (CD COPY ENCLOSED) [SEE RECORD # 2120 - DRAFT REMOVAL ACTION COMPLETION SUMMARY REPORT FOR TIME-CRITICAL REMOVAL ACTION]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002119 BRAC SER BPMOW.BBC/0219 CORRESPONDENCE NONE 2	01-21-2011 03-16-2011 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST NAVFAC - SOUTHWEST	TRANSMITTAL OF THE DRAFT REMOVAL ACTION COMPLETION SUMMARY REPORT FOR TIME-CRITICAL REMOVAL ACTION (ENCLOSURE IS RECORD # 2120)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002153 CHAD-3213-0077- 0012 MINUTES N62473-07-D-3213 41	02-02-2011 06-22-2011 5090.3.A. CTO 0077	CHADUX TT, JOINT VENTURE RESTORATION ADVISORY BOARD	02 FEBRUARY 2011 FINAL RESTORATION ADVISORY BOARD (RAB) INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM MEETING MINUTES (INCLUDES LIST OF ATTENDEES, AGENDA, VARIOUS HANDOUTS, AND CD COPY) [SEE RECORD # 2152 - TETRA TECH EM INC TRANSMITTAL LETTER]	ADMIN RECORD INFO REPOSITORY SENSITIVE	SITE 00022 SITE 00022A SITE 00027 SITE 00029	NAVFAC - SOUTHWEST	
AR_N60036_002194 BRAC SER BPMOW.BBC/0605 CORRESPONDENCE NONE 2	05-23-2011 10-24-2011 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST GARVEY, M. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE FINAL REMOVAL ACTION COMPLETION SUMMARY REPORT FOR TIME-CRITICAL REMOVAL ACTION (ENCLOSURE IS RECORD # 2195)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002195 CHAD-3213-0047- 0006 REPORT N62473-07-D-3213 1041	05-23-2011 10-24-2011 5090.3.A. CTO 0047	ONO, Y. CHADUX TT, JOINT VENTURE BRAC PMO WEST	FINAL REMOVAL ACTION COMPLETION SUMMARY REPORT FOR TIME-CRITICAL REMOVAL ACTION (CD COPY ENCLOSED) [SEE RECORD # 2194 - BRAC PMO WEST TRANSMITTAL LETTER]	ADMIN RECORD INFO REPOSITORY SENSITIVE	SITE 00027	NAVFAC - SOUTHWEST	

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)	
AR_N60036_002198 BRAC SER BPMOW.BBC/0883 CORRESPONDENCE NONE 1	09-30-2011 10-28-2011 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST DRAGONE, M. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT PROPOSED PLAN FOR INLAND AREA (ENCLOSURE IS RECORD # 2199)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002209 NONE CORRESPONDENCE NONE 1	11-03-2011 11-23-2011 5090.3.A. NONE	RECH, C. CALIFORNIA DEPARTMENT OF FISH AND GAME - SACRAMENTO, CA CLAMOR, B. NAVFAC - SOUTHWEST	REVIEW AND NO COMMENTS ON THE DRAFT PROPOSED PLAN FOR INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 2199 - DRAFT PROPOSED PLAN FOR INLAND AREA]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002210 NONE CORRESPONDENCE NONE 1	11-14-2011 11-23-2011 5090.3.A. NONE	FRIEDMAN, A. CRWQCB - OAKLAND, CA CLAMOR, B. NAVFAC - SOUTHWEST	REVIEW AND CONCURRENCE WITH THE DRAFT PROPOSED PLAN FOR INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 2199 - DRAFT PROPOSED PLAN FOR INLAND AREA]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002211 NONE CORRESPONDENCE NONE 4	11-14-2011 11-23-2011 5090.3.A. NONE	DRAGONE, M. U.S. EPA - SAN FRANCISCO, CA ANDERSON, S. BRAC PMO WEST	REVIEW AND COMMENTS ON THE DRAFT PROPOSED PLAN FOR INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 2199 - DRAFT PROPOSED PLAN FOR INLAND AREA]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002212 NONE CORRESPONDENCE NONE 1	11-17-2011 11-23-2011 5090.3.A. NONE	PINASCO, J. DTSC - SACRAMENTO, CA CLAMOR, B. NAVFAC - SOUTHWEST	REVIEW AND NO COMMENTS ON THE DRAFT PROPOSED PLAN FOR INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 2199 - DRAFT PROPOSED PLAN FOR INLAND AREA]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002225 CHAD-3213-0047- 0009 CORRESPONDENCE N62473-07-D-3213 7	12-01-2011 01-06-2012 5090.3.A. CTO 0047	CHADUX TT, JOINT VENTURE BRAC PMO WEST	RESPONSES TO COMMENTS ON THE DRAFT PROPOSED PLAN FOR INLAND AREA (CD COPY ENCLOSED)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		

UIC No. _ Rec. No. Doc. Control No. Record Type Contract No. Approx. # Pages	Record Date Prc. Date SSIC No. CTO No.	Author Author Affil. Recipient Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
AR_N60036_002223 BRAC SER BPMOW.BBC/0095 CORRESPONDENCE NONE 2	12-06-2011 01-06-2012 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST DRAGONE, M. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT FINAL PROPOSED PLAN FOR INLAND AREA (ENCLOSURE IS RECORD # 2224)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002235 CHAD-3213-0047- 0011 REPORT N62473-07-D-3213 15	01-01-2012 01-27-2012 5090.3.A. CTO 0047	CHADUX TT, JOINT VENTURE NAVFAC - SOUTHWEST	FINAL PROPOSED PLAN FOR NO FURTHER ACTION FOR THE INLAND AREA (CD COPY ENCLOSED)	ADMIN RECORD INFO REPOSITORY SENSITIVE	BLDG IA-20 BLDG IA-36 SITE 00013 SITE 00017 SITE 00022 SITE 00024A SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002242 NONE PUBLIC NOTICE NONE 1	01-04-2012 03-01-2012 5090.3.A. NONE	BAY AREA NEWS GROUP - SAN FRANCISCO, CA PUBLIC	PUBLIC NOTICE ANNOUNCING THE PUBLIC COMMENT PERIOD FOR THE PROPOSED PLAN FOR THE INLAND AREA	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002243 CHAD-3213-0047- 0012 PUBLIC NOTICE N62473-07-D-3213 2	01-08-2012 03-01-2012 5090.3.A. CTO 0047	BAY AREA NEWS GROUP - SAN FRANCISCO, CA PUBLIC	CORRECTED PUBLIC NOTICE TO THE 04 JANUARY 2012 PUBLIC NOTICE ANNOUNCING THE PUBLIC COMMENT PERIOD FOR THE PROPOSED PLAN FOR THE INLAND AREA (CD COPY ENCLOSED) [SEE RECORD # 2242 - 04 JANUARY 2012 PUBLIC NOTICE]	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST	
AR_N60036_002253 TRVT-4406-0000- 0008 REPORT N62473-10-C-4406 176	02-29-2012 05-22-2012 5090.3.A. NONE	TREVET BRAC PMO WEST	FINAL ACTION MEMORANDUM FOR NON- TIME-CRITICAL REMOVAL ACTION, FORMER PISTOL RANGE (CD COPY ENCLOSED) [SEE RECORDS # 2251 AND # 2252 - BRAC PMO WEST TRANSMITTAL LETTERS]	ADMIN RECORD INFO REPOSITORY SENSITIVE	SITE 00013 SITE 00017 SITE 00022 SITE 00024A SITE 00027 UXO 000001A	NAVFAC - SOUTHWEST	

UIC No. _ Rec. No.	Record Date	Author						
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	SSIC No.	Recipient						
Contract No.	CTO No.	Recipient Affil.	Subject	Distribution	Sites	Location	FRC Accession No.	
Approx. # Pages						SWDIV Box No(s)	FRC Warehouse	
						CD No.	FRC Box No(s)	
AR_N60036_002254 BRAC SER BPMOW.BBC/0230 CORRESPONDENCE NONE 2	04-23-2012 06-27-2012 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST FONG, Y. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT RECORD OF DECISION (ENCLOSURE IS RECORD # 2255)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002273 NONE CORRESPONDENCE NONE 5	06-06-2012 01-24-2013 5090.3.A. NONE	FONG, Y. U.S. EPA - SAN FRANCISCO, CA ANDERSON, S. BRAC PMO WEST	REVIEW AND COMMENTS ON THE DRAFT RECORD OF DECISION (SEE RECORD # 2255 - DRAFT RECORD OF DECISION)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002274 CHAD-3213-0047- 0015 CORRESPONDENCE N62473-07-D-3213 10	08-03-2012 01-24-2013 5090.3.A. CTO 0047	CHADUX TT, JOINT VENTURE BRAC PMO WEST	RESPONSES TO COMMENTS ON THE DRAFT RECORD OF DECISION (SEE RECORD # 2273 - REVIEW AND COMMENTS)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002275 NONE CORRESPONDENCE NONE 2	08-06-2012 01-24-2013 5090.3.A. NONE	FONG, Y. U.S. EPA - SAN FRANCISCO, CA BANISTER, S. NAVFAC - SOUTHWEST	REVIEW AND COMMENTS ON THE RESPONSES TO COMMENTS ON THE DRAFT RECORD OF DECISION (SEE RECORD # 2274 - RESPONSES TO COMMENTS ON THE DRAFT RECORD OF DECISION)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		
AR_N60036_002276 BRAC SER BPMOW.SDB/0467 CORRESPONDENCE NONE 2	08-06-2012 01-24-2013 5090.3.A. NONE	ANDERSON, S. BRAC PMO WEST FONG, Y. U.S. EPA - SAN FRANCISCO, CA	TRANSMITTAL OF THE DRAFT FINAL RECORD OF DECISION (ENCLOSURE IS RECORD # 2276)	ADMIN RECORD INFO REPOSITORY	SITE 00027	NAVFAC - SOUTHWEST		

UIC No. _ Rec. No.	Record Date	Doc. Control No.	Prc. Date	Author	Record Type	SSIC No.	Author Affil.	Contract No.	CTO No.	Recipient	Recipient Affil.	Subject	Distribution	Sites	Location SWDIV Box No(s) CD No.	FRC Accession No. FRC Warehouse FRC Box No(s)
--------------------	-------------	------------------	-----------	--------	-------------	----------	---------------	--------------	---------	-----------	------------------	---------	--------------	-------	---------------------------------------	---

Total Estimated Record Page Count: 14,452

Total Records: 141

(([SSIC NUMBER]="5090.3.A.") AND [UIC NUMBER]='N60036'

No Keywords

Sites=SITE 00027

No Classification

This page intentionally left blank

ATTACHMENT C
RESPONSIVENESS SUMMARY

This page intentionally left blank

ATTACHMENT C - RESPONSIVENESS SUMMARY

For Installation Restoration Site 27

Inland Area, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California

PUBLIC COMMENT SUMMARY AND NAVY RESPONSES

Written comments received from Mr. John Turney via e-mail on January 10, 2012

(Comment 1) No mention is made in the Plan of any soil sampling conducted beneath the buildings at Site 27. In my 23 years of experience in environmental remediation, it is not unusual to find that chemicals of potential concern (COPCs) have migrated under structures or have leaked through floors or from drain piping beneath floors. If sampling has been conducted and laboratory analysis of the samples indicate[s] that concentrations of COPCs are protective of human health and the environment, some mention of this should be made in the Plan. If sampling has not been conducted, this would be an opportune time to do so as the buildings are unoccupied and direct-push sampling equipment is small enough to enter most buildings. If soils are impacted at concentrations that would have an adverse impact on construction workers removing the buildings or for unrestricted use, it should be examined and explained prior to beginning demolition work.

Navy Response:

(1) The Navy collected soil samples below the slab-on-grade foundation of Buildings IA-20 and IA-36 for analysis of chlordane during the data gaps sampling investigation in 2007 and 2008. The analytical results showed that chlordane was not present under the buildings at concentrations exceeding the screening criteria. In this investigation, the Navy also collected and analyzed soil samples from the perimeter of the buildings and analyzed soil samples for metals and chlordane. The scope of the data gaps sampling investigation was approved by the Navy and the regulatory agencies. Based on the analytical results, the Navy and the agencies did not identify a need for additional sampling and analysis under the buildings. The results for the data gaps sampling investigation are presented in the time-critical removal action (TCRA) Action Memorandum, Appendix A (Navy 2008). The investigation was conducted in accordance with the data gaps Sampling and Analysis Plan (Tetra Tech 2007). The Record of Decision (ROD) incorporates these previous investigation documents by reference.

Tetra Tech EM Inc. (Tetra Tech). 2007. "Final Sampling and Analysis Plan (Field Sampling Plan/Quality Assurance Project Plan) for Sampling at Site 27, Naval Weapons Station Seal Beach Detachment Concord, Concord, California." August 27.

Navy. 2008. "Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California." October 3.

(Comment 2) No mention is made in the Plan of any groundwater sampling at Site 27. Although soil sampling indicates that soils meet the requirements for unrestricted access, it is not unusual for groundwater to be impacted, degrading the waters of the State (of California) in violation of the Porter-Cologne Water Quality Control Act, of which I'm sure you are familiar. If sampling has been conducted and laboratory analysis of the samples indicate[s] that concentrations of COPCs are at or below background concentrations, some mention of this should be made in the Plan.

Navy Response:

(2) Groundwater levels have not been recorded at Site 27; however, groundwater is believed to be more than 25 feet below ground surface (bgs), based on observation of dry conditions in the underground storage tank (UST) excavation at Building IA-36 (KTW & Associates 1997). The Navy, EPA, and San Francisco Bay Regional Water Quality Control Board (Water Board) agreed that no groundwater investigation was warranted at or in the vicinity of Site 27 because groundwater contamination is not expected at the site for the following reasons: (1) the vertical extent of contamination was delineated during the TCRA through analytical results from the bottom of the excavations, and all contaminated soil was above the water table, to a maximum depth of 16 feet bgs; (2) the chemicals of concern (COC) at Site 27 were removed and no groundwater was encountered in the excavation; (3) the COCs at Site 27 are not expected to migrate from soil to groundwater because the site is underlain by predominantly fine-grained materials; and (4) the COCs have low solubility and highly sorptive properties. Based on

ATTACHMENT C. RESPONSIVENESS SUMMARY (Continued)

PUBLIC COMMENT SUMMARY AND NAVY RESPONSES

the reported sorption coefficients (EPA 1996), chlordane, Aroclor-1248, and Aroclor-1254 are expected to strongly sorb to soil. Similarly, lead and mercury would most likely be strongly sorbed to soil based on neutral to above neutral pH expected for soils beneath Site 27.

KTW & Associates. 1997. "Report Closure of Underground Storage Tank Site IA36, Naval Weapons Station Concord, California." November.

U.S. Environmental Protection Agency (EPA). 1996. "Soil Screening Guidance: User's Guide." Office of Emergency and Remedial Response. Washington, DC. EPA/540/R- 96/018. April.

Verbal comments received from Mr. Shon Wolf, Restoration Advisory Board (RAB) member, during the Public Meeting Comment Period on January 18, 2012

Mr. Wolf stated that the Navy should demolish and haul off the two buildings [Building IA-20 and IA-36] at Site 27 as part of the cleanup, since the buildings will not be used again.

Navy Response:

Under the Navy Base Realignment and Closure (BRAC) Program for Naval Weapons Station Seal Beach Detachment (NAVWPNSTA) Concord, Installation Restoration (IR) sites are transferred "as is" after regulatory site closure. Demolition of Buildings IA-20 and IA-36 is therefore not included as part of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process for environmental cleanup. Under the program, once the CERCLA environmental cleanup for Site 27 is complete and regulatory closure is achieved, the real estate title to the site, including the improvements, will be transferred. Building demolition is not required under the IR program; if redevelopment requires removal of the buildings, the receiving property owner is responsible for demolition of the buildings remaining on site. Therefore the Navy will not demolish the two buildings at Site 27.

Verbal comments received from Ms. Mary Lou Williams, RAB member, during the Public Meeting Comment Period on January 18, 2012

Ms. Williams stated that she had comments on chlordane, in several parts.

(Comment 1) Ms. Williams recalled that, from a site tour which was at least 8 years ago, chlordane was present at [Site] 27 for termite control, because the building foundation consisted of cinder blocks supporting a wooden building (two-by-fours or two-by-sixes), with corrugated metal. Ms. Williams said she recalled at the time the Navy was "going to trench all around the building," to find the extent of the chlordane, and to remove it. Ms. Williams noted that the pictures [in the public meeting presentation] only show trenching on the "front side." Ms. Williams recalled that, as one stands facing the buildings, the Navy informed the group that chlordane was found "running from front to back on the left-hand side closest to the boiler building." She recalls there was significant amount of chlordane present. However, she did not see trenches in the photographs in the public meeting presentation. On [slide] 15, the Navy listed lead, mercury, and polychlorinated biphenyls (PCB) as COCs for the Site 27 TCRA but not chlordane. Ms. Williams said that, if the Navy had tested for chlordane and the results were positive, then there should be enough chlordane to measure in the soil; however, the Navy did not list chlordane.

Navy Response:

The two buildings present at Site 27 have concrete spread footings with slab-on-grade construction. There is no subfloor space between the concrete and the ground. Building IA-20 is cinder block wall construction on the east side and pre-fabricated, steel construction on the west side. Building IA-36 is wood-frame construction, with corrugated siding walls.

The extent of chlordane was delineated laterally during the Data Gaps Sampling Investigation conducted in 2007 and 2008, and delineated vertically during the TCRA conducted in 2011. Appendix A of the Action Memorandum (Navy 2008) documents the results from samples collected at Site 27. As part of this investigation, samples were collected from underneath Buildings IA-20 (four soil borings) and IA-36 (two soil borings); all results were non-detect or less than the

ATTACHMENT C. RESPONSIVENESS SUMMARY (Continued)

PUBLIC COMMENT SUMMARY AND NAVY RESPONSES

U.S. Environmental Protection Agency (EPA) 2008 residential preliminary remediation goal (PRG) of 1.6 milligrams per kilogram (mg/kg) in soil. The lateral extent of the chlordane in soil around the perimeter of the buildings was also delineated to be within about 10 feet from the perimeter of the buildings on all sides, except on the west side of IA-36, where soil had already been replaced after the underground storage tank removal in 1997. Please see Appendix A of the final Action Memorandum, which summarizes the results of the data gaps sampling investigation (Navy 2008).

Although chlordane was not identified as a COC for the TCRA, confirmation sampling verified that chlordane concentrations in soil exceeding 1.6 mg/kg were removed as part of the excavation because chlordane was generally collocated with the TCRA metal COCs, lead and mercury, around the perimeter of the buildings. The first phase of the TCRA involved removing shallow soil within 10 feet laterally from Buildings IA-20 and IA-36, except on the west side of IA-36. Confirmation samples were collected at the base of the excavation, and the soil was excavated an additional 1 foot vertically where the total chlordane (alpha- and gamma-chlordane) concentrations exceeded the 2008 residential PRG. This method was followed to vertically delineate the total chlordane, until the total chlordane concentrations in the confirmation samples were less than the EPA's 2008 residential PRG. The maximum depth with a total chlordane concentration sample that exceeded the 2008 residential PRG was 3 feet bgs at location 27TCRA20, located south of Building IA-20. Soil at this location was excavated to 4 feet bgs. The chlordane in soil at Site 27 was delineated and removed during the TCRA Phase 1 and 2 excavations, in October and November 2008 (ChaduxTt 2011).

ChaduxTt. 2011. "Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California." May 23.

Navy. 2008. "Final Action Memorandum for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach Detachment Concord, Concord, California." October 3.

(Comment 2) Ms. Williams said she would like to know how deep the chlordane was found. She said her understanding was that the Navy had removed soil down to a foot below ground surface.

Navy Response:

Please see response to Comment 1.

(Comment 3) Ms. Williams asked how much soil was actually removed. She noted that chlordane is not discussed on slide 18 of the presentation which is a table that presents the nine phases of the TCRA, COCs addressed, and dates. She said she would like to know how much [chlordane] there was.

Navy Response:

The chlordane in soil at Site 27 was delineated and removed during the TCRA Phase 1 and 2 excavations, in October and November 2008. While Phases 1 and 2 excavations also removed other COCs in the soil (mercury, lead, Aroclor-1248 and Aroclor-1254), the volume of soil removed during these phases of excavations were 100 and 75 cubic yards, respectively.

(Comment 4) Ms. Williams asked where the contaminated soil was sent for off-site disposal, and how it was transported. She asked if the soil was transported in an open truck, whether the soil was covered with a tarp or wetted down.

Navy Response:

The contaminated soil from the TCRA excavations was transported off site in covered trailers by truck, to the U.S. Ecology facility in Beatty, Nevada, for land

ATTACHMENT C. RESPONSIVENESS SUMMARY (Continued)

PUBLIC COMMENT SUMMARY AND NAVY RESPONSES

disposal. All transportation and disposal were conducted in accordance with applicable federal and state regulations, and under proper waste manifesting.

(Comment 5) Ms. Williams said she would like to remind the attending public that the reason she is asking about the chlordane is because “it is a chemical used, amongst other things, for termites” which “has no shelf life,” and thus is “very similar in that respect to DDT.”

Navy Response:

Comment is noted. Chlordane is a pesticide that is known to persist in the environment. Chlordane at Site 27 was laterally and vertically delineated, and soil with concentrations of total chlordane greater than the residential PRG was removed during the TCRA, as it was collocated with the footprint of TCRA COCs.

Verbal comments received from Mr. Edi Birsan, RAB member, during the Public Meeting Comment Period on January 18, 2012

(Comment 1) Mr. Birsan stated that he had additional comments on chlordane. Mr. Birsan said he recalls he previously had discussed with the RAB that the chlordane was used for the foundation. He said “two or four boreholes inside the building” were done, but that he did not believe samples were tested for chlordane. He recalls the samples were tested for metals, PCBs, and other chemicals. Mr. Birsan said that the chlordane must be in the foundation of the buildings, because the outside of the buildings was known to have chlordane contamination. He said “that ties in with Shon (Mr. Wolf)’s point that we really can’t get at the chlordane until the building is removed.” Mr. Birsan said that the chlordane is a known problem at the site that the RAB has discussed, but that the RAB had not received the “full answer” because the chlordane issue “had not concluded.” Mr. Birsan stated that he does not believe the site can be closed “until we have addressed the foundation,” because the chlordane is known to have spread. He said that by logic the chlordane is present underneath the buildings, and therefore it is necessary to destroy the buildings.

Navy Response:

As part of the 2007-2008 data gaps sampling investigation, samples were collected from underneath Buildings IA-20 and IA-36 and were analyzed for chlordane; results were non-detect or less than the EPA 2008 residential PRG of 1.6 mg/kg. The Navy, EPA, and Water Board concluded that the chlordane was present in the perimeter of the buildings, but not beneath the building. Please see responses to Mr. John Turney’s Comment 1, and Ms. Williams’ Comment 1 above.

(Comment 2) Mr. Birsan stated that he remembered a RAB discussion about a septic or sewer tank at Site 27. He said that he believes the area near Site 27 is all on septic systems, and that the Navy should discuss what was done with the sewage at the site. Mr. Birsan said that while the Navy discussed the underground [fuel] tank, nothing was said about the sewage facilities. He said the sewage facilities should be covered because it is a potential issue of concern.

Navy Response:

There is no septic tank present at Site 27. A sink is present within Building IA-20, which was identified in the Resource Conservation and Recovery Act (RCRA) Facility Assessment for Concord Naval Weapons Station in 1992 (California Environmental Protection Agency, Department of Toxic Substances Control 1992) as being connected to the sanitary sewer system. The document, which identifies Building IA-20 as Solid Waste Management Unit (SWMU) 8 and chemical laboratory, identifies discharge of “a small amount of laboratory waste [that] is dumped into the sink which drains to the sanitary sewer system.” The report concluded that “[n]o further action is needed on SWMU #8 because any release to the sewer is regulated by the Central Contra Costa Sanitary District.”

California Environmental Protection Agency, Department of Toxic Substances Control, Region 2. 1992. “Resource Conservation and Recovery Act (RCRA) Facility Assessment, Concord Naval Weapons Station.” June.



DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE WEST
1455 FRAZEE RD, SUITE 900
SAN DIEGO, CA 92108-4310

5090

Ser BPMOW.sdb/0224

APR 17 2013

Ms. Yvonne Fong
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street, (SFD-8-3)
San Francisco, CA 94105

SUBJECT: FINAL RECORD OF DECISION FOR INSTALLATION RESTORATION
SITE 27 FORMER NAVAL WEAPONS STATION SEAL BEACH
DETACHMENT CONCORD, CONCORD, CALIFORNIA

Dear Ms. Fong:

Enclosed is a Final copy of the Record of Decision for Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California for your files. Thank you very much for your assistance in this process and for assisting the Navy in bringing this site to closure.

Sincerely,

A handwritten signature in cursive script, reading "Scott Anderson", is written over a horizontal line.

SCOTT ANDERSON
BRAC Environmental Coordinator
By direction of the Director

Enclosure: 1. Record of Decision for Installation Restoration
Site 27, Former Naval Weapons Station Seal Beach
Detachment Concord, Concord, California

5090
Ser BPMOW.sdb/0224

APR 17 2013

Copy to:

California Department of Toxic Substances Control (DTSC)
(Attn: Mr. Jim Pinasco)

Department of Fish and Game (Attn: Regina Donohoe, Ph.D.)

California Regional Water Quality Control Board, SFBAY Region
(Attn: Ms. Tina Low)

California Department of Fish and Game (Attn: Ms. Carolyn Rech)

TechLaw, Inc. (Attn: Mary Snow)

United State Fish and Wildlife Service (Attn: Dan Cordova)

City of Concord (Attn: Michael Wright)

Restoration Advisory Board (RAB) Co-Chair
(Attn: Ms. Mary Lou Williams) (hard copy)

Restoration Advisory Board (RAB) Member (Attn: Mr. Shon Wolf)

Restoration Advisory Board (RAB) Member
(Attn: Mr. Scott McConnell)

Restoration Advisory Board (RAB) Member (Attn: Ms. Cindy Welles)

Restoration Advisory Board (RAB) Member (Attn: Mr. Kent Fickett)

Restoration Advisory Board (RAB) Member (Attn: Mr. Jim Edgar)

RESPONSES TO REGULATORY AGENCY COMMENTS ON THE DRAFT RECORD OF DECISION FOR INSTALLATION RESTORATION SITE 27, FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CONCORD, CALIFORNIA (REVISION 1)

This document presents the Department of the Navy's (Navy) responses to comments (RTCs) from the U.S. Environmental Protection Agency (EPA) on the "Draft Record of Decision for Installation Restoration Site 27, Former Naval Weapons Station Seal Beach Detachment Concord, Concord, California," dated April 23, 2012. The comments were received from EPA on June 7 and August 6, 2012. No comments were received from the California Department of Toxic Substances Control, San Francisco Bay Area Regional Water Quality Control Board, or the California Department of Fish and Game. The additional EPA comments on the Draft ROD received August 6, 2012 are identified and addressed below; corresponding changes were made to the Final ROD. No comments were received on the Draft Final ROD, dated August 6, 2012, from the EPA, the California Department of Toxic Substances Control, San Francisco Bay Area Regional Water Quality Control Board, or the California Department of Fish and Game.

RESPONSES TO EPA COMMENTS

GENERAL COMMENTS

1. **Comment:** The figures contained in the Draft ROD are generally small and some detail (yellow drainage direction arrows in Figure 2 and smaller excavation areas in Figure 3) in them is difficult to distinguish. Consider enlarging the figures so these details can be discerned.

Response: *The figures will be enlarged as suggested.*

2. **Comment:** The formatting appears odd throughout the document with spaces often appearing between letters of a single word, but it isn't clear whether this is a word processing issue or an artifact of the pdf conversion or printing processes. Please carefully review the document to ensure the spacing is correct.

Response: *The document will be reviewed and spacing errors will be corrected.*

3. **Comment:** The tense of verbs seems inappropriate in many instances. For example, in Section 2.5 on page 9, in the next to the last line on the page, speaking of post-TCRA site conditions, the text states that "conditions at Site 27 were protective" rather than "conditions at Site 27 are protective." Although perhaps a subtle issue of usage, use of the past tense in this and similar contexts suggests that conditions may not be protective any more. Please thoroughly review the document and revise past tense to present tense when speaking of post-TCRA site conditions (or other situations where conclusions based on earlier evaluations remain current). (See additionally, for example, the first sentence on page 10, which notes that the Navy concluded post-TCRA that "no unacceptable risks ... remained

... and no further action was required” rather than “no unacceptable risks remain ... and no further action is required”)

Response: *Verb tense will be changed to present tense where appropriate to indicate that conditions at Site 27 are currently protective.*

SPECIFIC COMMENTS

1. **Comment:** **Section 1.0 Declaration, Page 1:** The first sentence of the last paragraph states that the Navy has “concluded there are no unacceptable risks from hazardous substances at Site 27, Site 27 meets the cleanup goals, and Site 27 is suitable for unlimited use and unrestricted exposure.” EPA recommends replacing this language with the following language found in the ROD Guidance (see footnote 2 on page 6-3): The Navy “has determined that no action is necessary to protect public health or welfare or the environment.”

Response: *The sentence will be replaced with the suggested language.*

2. **Comment:** **Section 1.1, Selected Remedy and Statutory Determinations, Page 1:** The Declaration should explain that previous response actions at the site eliminated the need to conduct further remedial action (see ROD Guidance Highlight 8-6). Please add this language after the first sentence of this section.

Response: *The first two sentences will be replaced with the following text: “No further action is required under CERCLA to protect human health or the environment at Site 27 because previous response actions eliminated the need to conduct further remedial action. Current conditions at Site 27 do not pose an unacceptable risk to human health or the environment for current or future uses of Site 27, even for unrestricted reuse.”*

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: The text proposed in response to Specific Comment 2 should say "human health or the environment" in the next to the last line, not "human health and the environment."

Response: *The text was revised as indicated above.*

3. **Comment:** **Section 1.1, Selected Remedy and Statutory Determinations, Page 1:** The phrasing of the first two sentences is awkward. Please rewrite them as follows: No Further Action (“NFA”) is required under CERCLA to protect human health and the environment. Current conditions at Site 27 do not pose an unacceptable risk to human health and the environment for current or future uses of Site 27, even for unrestricted reuse.

Response: *Please see response to specific comment 2.*

4. **Comment:** **Section 2.1, Site Description and History, Page 3:** The Declaration indicates that the Navy and EPA are selecting No Further Action for Site 27 and that the State agencies concur; however, there is no discussion of the agencies with regard to their roles as lead or supporting agencies. Include a brief description of the agency roles as established by the Federal Facilities Agreement (see ROD Guidance Section 6.3.1).

Response: *The following text will be added as the third paragraph of Section 2.1:*

“The Navy, EPA, and the State of California are signatories to the FFA dated June 2001. As established by the FFA, the Navy is the lead federal agency and EPA is the lead regulatory agency for remediation of former NAVWPNSTA Concord. California Environmental Protection Agency’s DTSC and the Water Board represent the State of California. The EPA, DTSC, and the Water Board provide guidance, review and approval of documents and decisions for the remediation of Former NAVWPNSTA Concord, as stipulated in the FFA.”

5. **Comment:** **Section 2.1, Site Description and History, Page 4:** This section includes a detailed description of Site 27; however, there is no discussion of Site 27 relative to the larger CERCLA program at the former Concord NWS. Briefly explain the scope and role of Site 27 as described in the ROD Guidance (see Section 6.3.4).

Response: *A discussion of the scope and role of Site 27 relative to the CERCLA program at former Naval Weapons Station Seal Beach Detachment Concord will be added after the fourth paragraph of Section 2.1, as follows:*

“Former NAVWPNSTA Concord is being investigated under CERCLA within the Defense Environmental Restoration Program, which consists of two sub-programs: the IR Program, and the Military Munitions Response Program (MMRP). The IR Program is specific to military facilities; its purpose is to identify, investigate, and environmentally restore sites containing hazardous substances to reduce the risk to human health and the environment. The MMRP addresses environmental health and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents.

Site 27 was investigated under the IR Program, which began in 1983 with an Initial Assessment Study (IAS) to collect and evaluate information on past base operations. The IAS indicated that contaminants may have been released to soil, sediment, or groundwater at former NAVWPNSTA Concord. Site 27 is one of 21 IR Program sites in the Inland Area of former NAVWPNSTA investigated

to evaluate whether past Navy operations resulted in releases of hazardous substances to the environment."

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: While the text the Navy proposes to add to Section 2.1 is accurate, it would be helpful to include text along the lines of "Site 27 is one of "X" known sites at NAVWPNSTA Concord where Navy operations resulted in the releases to the environment, etc."

Response: *The text was revised as indicated above.*

- 6. Comment:** **Table 1, Site 27 Data Gaps Sampling, Page 7:** In the last column, include a statement that the chlordane and metals concentrations were compared to EPA's 2004 PRGs as stated on Page 13.

Response: *The following text will be added to the table: "Additionally, the Navy conducted a risk-based screening by comparing concentrations of chlordane and metals in soil with EPA 2004 residential PRGs."*

- 7. Comment:** **Section 2.5, Pages 9 – 22:** The placement of Section 2.5.4, "Overview of Human Health and Ecological Risk Evaluations," at the end of Section 2.5 seems incorrect, unless it is intended as a summary of the topics discussed in the preceding sections (Sections 2.5.1 – 2.5.3). EPA recommends either placing the section at the beginning of the section (i.e., renumbered as 2.5.1), or renaming it "Summary of"

Response: *Section 2.5.4 and Table 6 will be renamed "Summary of Human Health and Ecological Risk Evaluations."*

- 8. Comment:** **Section 2.5.2, TCRA Summary, Page 15:** The last paragraph on this page describes the volume of soil excavated during the TCRA. It appears from Figure 3 that the total volume included soils from three separate excavation areas. Please clarify how many individual areas were excavated at Site 27 and the approximate volume from each excavation.

Response: *Nine phases of excavation and sampling were conducted at Site 27. The large excavation footprint in Figure 3 represents areas of soil that were excavated and enveloped by a later phase of excavation over all nine phases. The two smaller excavation footprints in Figure 3 represent areas excavated in Phases 1 and 2 only. Details and figures for each phase of the time-critical removal action (TCRA) are currently included in the ROD as reference 29, "nine phases of excavation."*

The text "contaminated soil had been removed" from the fourth paragraph of Section 2.5.2 will be converted to a reference and will hyperlink to Table 2 from the Removal Action Completion Summary Report (RACSR) (ChaduxTt 2011). Table 2 of the RACSR includes dates

and quantities of soil removed during each phase of the TCRA. The following text will also be added to the same paragraph: "Three distinct excavation areas resulted (Figure 3): two areas of approximately 2 cubic yards each removed during Phases 1 and 2, and one much larger area of approximately 926 cubic yards removed over all nine phases."

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: The RTC to Specific Comment 8 is confusing. It is unclear from the response how many Phases of excavations were completed at Site 27. It seems that soil was removed from the largest excavation during Phases 1 and 2; however, as written, the response could suggest that there were as many as 11 phases of excavation. Please include some text clarifying how the phasing of the excavations were established. Clarify also that the total excavation volume during the TCRA is 930 cubic yards, presumably the equivalent of 1,377 tons. Also clarify that the referenced Table 2 is Table 2 of the ChaduxTt TCRA RACSR, not Table 2 of the ROD.

Response: *This section of the iROD intends to give a brief overview of the information about the TCRA that was presented in the Site 27 RACSR (ChaduxTt 2011) with supporting references. However, the response was clarified as indicated above. As indicated in the response, nine phases of excavation and sampling were completed. Details of the nine phases of excavations are presented in references 29 and 30.*

Reference 29 presents detailed text on each of the nine phases followed by figures showing areas and depths of each excavation phase. Text in reference 29 and text from the second paragraph of Section 2.5.2 of the iROD discuss how the nine excavation phases were established. Reference 30 is Table 2 from the Site 27 RACSR (ChaduxTt 2011) and details the amount of soil removed during each phase. Table 2 from the RACSR (iROD reference 30) and the first sentence of the fourth paragraph of Section 2.5.2 of the iROD indicate that 930 cubic yards of soil were excavated during the TCRA.

9. **Comment:** **Section 2.5.2, TCRA Summary, Page 16:** The last paragraph of this section discusses the attainment criteria of the TCRA and additional excavations that were conducted beyond the risk-based ecological removal goals in Table 4. Additional excavation of soil below 6 feet bgs that contained concentrations of Aroclor-1248 above EPA's 2008 PRG for residential soils were removed to support a future unrestricted reuse scenario. Please state what the 2008 residential soil PRG is and explain how it compares to the ecological removal goal of 0.06 mg/kg. State how much additional soil volume was removed to meet the 2008 residential soil PRG. Further, with regard to the additional excavation of chlordane-impacted soils, state that the human health screening level used was 1.6 mg/kg, the 2004 PRG for chlordane, as indicated in Table 1, page 8.

Response: *The following text will be added to the third paragraph of Section 2.5.2: "Prior to the TCRA, elevated concentrations of Aroclor-1248 were expected to be present in soil only to 1 foot bgs. Aroclor-1248 was later discovered at elevated concentrations at depths greater than 6 feet bgs (the maximum depth of concern for ecological receptors because the likely receptors are not expected to use subsurface soil beyond 6 feet bgs). Therefore, an additional removal goal for Aroclor-1248 at depths greater than 6 feet bgs was added based on potential risk to human health. Since a site-specific human health risk-based removal goal had not been developed for Aroclor-1248 before the TCRA, the EPA 2008 residential soil PRG of 0.22 mg/kg was established as the removal goal for all TCRA excavations deeper than 6 feet bgs."*

*The last two sentences of the last paragraph of Section 2.5.2 will be revised as follows (additions are in **normal bold font** and deletions are in ~~striketrough font~~): "**Approximately 555 cubic yards of s**Soil deeper than 6 feet bgs that contained Aroclor-1248 at concentrations exceeding the **human health-based removal goal** ~~2008 EPA PRG~~ for residential soils ~~was~~ **were** also removed to support a future unrestricted reuse scenario. Although chlordane was not identified as a COC in the Action Memorandum, soil that contained chlordane at concentrations that exceeded the human health screening criterion of **1.6 mg/kg (based on the EPA 2004 PRG for residential soils)** was also removed since it was collocated in the same footprint as soil removed for elevated metals."*

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: Revise the response to state that 6 feet bgs is the maximum depth of concern for ecological receptors because "the likely receptors are not expected to use subsurface soil beyond 6 feet bgs."

Response: *The text was revised as indicated above.*

10. **Comment:** **Section 2.5.3.1, Post-TCRA Human Health Screening, Page 17:** This section indicates that the post-TCRA human health screening was performed using maximum detected concentrations yet, for Aroclor-1254, an estimated site-wide exposure point concentration (EPC) was used to estimate risk in the Draft ROD. According to the Removal Action Completion Summary Report (RACSR) (Department of the Navy, May 2011), the risks associated with Aroclor-1254 were calculated based on the maximum concentration resulting in a risk of 1×10^{-6} . Consequently, it is unclear why the ROD presents a risk for Aroclor-1254 based on a site-wide average. The approach in the ROD should be consistent with the approach for conducting the human health risk screening that was used in the RACSR, particularly since the data summary tables presented in the ROD do not indicate the number of samples collected nor are figures provided to show the spatial distribution of data. This section should be

revised to accurately summarize the risk results as presented in the RACSR and move discussions regarding the use of a site-wide average to be part of an uncertainty analysis. The uncertainty analysis should also indicate that the use of a site-wide average may result in an underestimate of risk if any hotspots are present.

Response: *As noted by the commenter, the post-TCRA risk for Aroclor-1254, as discussed in the RACSR, was evaluated based on the maximum concentration. The ROD will be revised to be consistent with the RACSR. The last sentence of the second paragraph of Section 2.5.3.1 will be split into three sentences and revised to read: "The post-TCRA human health risk screening concluded that arsenic levels in soils are comparable to naturally-occurring levels. For vanadium, the residential HI associated with the maximum detected concentration is 1, which is equal to the threshold HI of 1 for noncancer effects. For Arcolor-1254, the post-TCRA human health risk screening determined that the estimated residential cancer risk for Aroclor-1254 is 1×10^{-6} , which is the point of departure for residential cancer risk." The hypothetical site-wide average will not be discussed in the ROD; therefore, an uncertainty analysis is not necessary and will not be added.*

11. Comment: **Section 2.5.3.2, Post-TCRA Ecological Risk Assessment, Page 20-21:** The three-step process described for the post-TCRA follows the Navy's Ecological Risk Assessment (ERA) policy and, although the terminology for the Navy's process does not correspond to that outlined by in the EPA ecological risk assessment guidance (EPA. June 1997), the process is similar. Section 2.5.3.2 indicates that the regulatory agencies approved the Navy's procedures to refine risk in a step following the Screening Level Ecological Risk Assessment (SLERA). If this is the case, the Navy should cite the agreement that allowed them to proceed using the Navy ERA guidance.

Response: *The final work plan for the TCRA, under Section 2.3, Ecological Settings, states that the Navy will conduct a screening-level ecological risk assessment and Step 3a risk refinement following the completion of the TCRA (Tetra Tech 2008). The work plan was developed in consultation with the agencies, and the work plan was reviewed and approved by the agencies prior to the TCRA. A public notice of the TCRA and availability of the final TCRA documents for review and comment were also issued. No comments were received after the final TCRA documents were issued. While the Navy and the agencies had not established a separate agreement on the ERA guidance to be used for the post-TCRA ecological risk assessment, it is the Navy's understanding that such agreement is inclusive in the approval of the final work plan for the TCRA as described above. However, the text "with approval of the regulatory agencies" will be deleted from the last sentence of the third paragraph of Section 2.5.3.2.*

12. **Comment:** **Section 2.5.4, Overview of Human Health and Ecological Risk Evaluations, Page 21:** The last two sentences of the second paragraph of Section 2.5.4 are awkward. EPA recommends either revising them to match versions which appear at other places in the document (“Based on the results of the post-TCRA screening against human health risk-based criteria, the Navy concluded that” etc.), or revise as follows: “The results of the post-TCRA screening against human health risk-based criteria document that Site 27 does not pose The results of the post-TCRA SLERA and Step 3a risk refinement document that”

Response: *The last two sentences of the second paragraph of Section 2.5.4 will be revised as follows (additions are in **normal bold font**): “Based on the results of the post-TCRA screening against human health risk-based criteria, **the Navy concludes that Site 27 does not pose an unacceptable risk to human health.** Based on the results of the post-TCRA SLERA and Step 3a risk refinement, **the Navy concludes that Site 27 does not pose an unacceptable risk to wildlife.**”*

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: The text proposed in response to Specific Comment 12 should use the present tense of the word "conclude," not the past tense, because the conclusions are based on post-TCRA sampling (i.e., are current).

Response: *The text was revised as indicated above.*

13. **Comment:** **Section 3.0, Basis for the No Further Action Decision, Page 24:** The reference to pre-TCRA collection of soil data in the first sentence of the first paragraph suggests that the Navy is comparatively characterizing the post-TCRA soil conditions. If so, please insert the word “comparatively” before the word “characterize” at the beginning of the second line of the first paragraph.

The second paragraph of Section 3.0 suffers from some of the same problems noted above in other general and specific comments. First, the use of the past tense to describe the condition of Site 27 post-TCRA suggests that the conditions may now be different (i.e., worse). Please revise to use the present tense in describing the Site conditions. Second, the third sentence needs a transition between the first and second clauses; please revise per either option suggested in Specific Comment 10 above or, alternatively and related to the next comment about the final three sentences of the paragraph, revise along the lines of; “Based on the results of the post-TCRA human health risk screening and post-TCRA ERA, the Navy concludes that the conditions at Site 27, including the concentrations of chemicals in the soil remaining in place, are protective of human health and the environment even for unlimited use and unrestricted exposure.”

The last three sentences of the second paragraph are unnecessarily repetitious. Please revise to consolidate them (one possible revision is suggested in the preceding paragraph of this comment).

Response: *Reference to collection of soil data prior to the TCRA in this section refers to historical characterization samples collected to represent soils at a specific location and depth that were not removed by excavation, and thus are deemed representative of post-TCRA site conditions. These samples were used to evaluate post-removal site conditions. To clarify, the first sentence of Section 3.0 will be revised to read: "Data from soil samples collected at Site 27 prior to and during the TCRA soil removal that were not removed because they did not exceed removal goals represent the condition of the soil that remains at the Site; no sampling was conducted after the TCRA was completed."*

Text in the second paragraph will be revised to present tense to describe post-TCRA site conditions.

Finally, the third and final sentence of the second paragraph of Section 3.0 will be revised as follows: "Based on the results of the post-TCRA human health risk screening and post-TCRA ERA, the Navy concludes that the conditions at Site 27, including the concentrations of chemicals in the soil remaining in place, are protective of human health and the environment even for unlimited use and unrestricted exposure and that no further action is required⁽⁴⁰⁾."

The following additional comment was received on August 6, 2012 after the Draft Final ROD, and the RTCs on the Draft ROD had been submitted for review:

Comment: The first paragraph of the response to Specific Comment 13 suggests that sampling before and during the TCRA established background conditions that were used to describe the condition of the soil post-TCRA. Clarify that the soil data collected prior to and/or during the TCRA represents the condition of the soil that remains at the site and that no sampling was conducted specifically post-TCRA.

Response: *The text was revised as indicated above.*

MINOR COMMENTS

1. Comment: **Table 1, Site 27 Data Gaps Sampling, Page 7:** In the last column, include a statement that the chlordane and metals concentrations were compared to EPA's 2004 PRGs as stated on Page 13.

Response: *Please see response to specific comment 6.*

2. Comment: **Section 2.5.1.2, Pre-TCRA Ecological Risk Screening, Page 14:** The second paragraph indicates that the American Robin and the western harvest mouse were identified as the most sensitive ecological receptors

based on the SLERA at nearby Site 22. Please include a figure depicting the relative locations of Sites 22 and 27.

Response: *Rather than including a new figure, the following sentence will be added after the first sentence of the second paragraph of Section 2.5.1.2 to note the proximity of Site 22 to Site 27: "Site 27 is located approximately 1 mile north-northwest of Site 22 and consists of similar upland habitat." The American robin and the western harvest mouse were selected as representative receptors for omnivorous birds and omnivorous mammals. In the first sentence of the second paragraph of Section 2.5.1.2, the text "...as the most sensitive ecological receptors..." will be changed to "...as the most sensitive representative ecological receptors".*

- 3. Comment:** At several places in the text, footnote numbers precede a comma or period. Please revise so that the footnote number follows the comma or period. (See, e.g., p. 17, first line of second paragraph and 24, third sentence from the end of the section.)

Response: *While it is proper grammar to place a punctuation mark before a footnote number (superscript), placing a reference number (subscript) before a punctuation mark is consistent with the Navy's iROD format. No changes will be made to address this comment.*

REFERENCES

- ChaduxTt. 2011. "Final Removal Action Completion Summary Report for Time-Critical Removal Action at Installation Restoration Site 27, Former Naval Weapons Station Seal Beach, Detachment Concord, Concord, California." May 23.
- Department of the Navy. 2001. Naval Weapons Station Seal Beach Detachment Concord Federal Facility Agreement under CERCLA Section 120, Administrative Docket Number: 01.
- Tetra Tech. 2008. "Final Removal Action Work Plan for Time-Critical Removal Action at Installation Restoration Site 27, Inland Area, Naval Weapons Station Seal Beach, Detachment Concord, California." October 3.